

GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: March 11, 2003, 07:22:43 ; Search time 152 Seconds

(without alignments)
14650.296 Million cell updates/sec

Title: US-10-046-433-39

Perfect score: 3334

Sequence: 1 gcggaaagcgacgccccggc..... attaaaaaaaaaaaaaaa 3334

Scoring table: IDENTITY_NUC
GapOp 10.0 , GapExt 1.0

Searched: 478924 seqs, 333959956 residues

Total number of hits satisfying chosen parameters: 957848

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications, NA: *

1: /cgn2_6/ptodata/1/pubpna/us07_PUBCOMB.seq: *
2: /cgn2_5/podata/1/pubpna/pct_NEW_PUB.seq: *
3: /cgn2_6/ptodata/1/pubpna/us06_NEW_PUB.seq: *
4: /cgn2_6/ptodata/1/pubpna/us07_NEW_PUB.seq: *
5: /cgn2_6/ptodata/1/pubpna/pctUS_PUBCOMB.seq: *
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7: /cgn2_6/ptodata/1/pubpna/us09_NEW_PUB.seq: *
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11: /cgn2_5/ptodata/1/pubpna/us10_PUBCOMB.seq: *
12: /cgn2_6/ptodata/1/pubpna/us10_PUBCOMB.seq: *
13: /cgn2_6/ptodata/1/pubpna/us10_PUBCOMB.seq: *
14: /cgn2_6/ptodata/1/pubpna/us10_PUBCOMB.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	3333.4	99.1	3501	9 US-10-028-072-37
2	3303.4	99.1	3501	9 US-10-121-049-37
3	3303.4	99.1	3501	9 US-10-123-504-37
4	3303.4	99.1	3501	9 US-10-140-470-37
5	3303.4	99.1	3501	9 US-10-175-746-37
6	3303.4	99.1	3501	9 US-10-176-918-37
7	3303.4	99.1	3501	9 US-10-176-921-37
8	3303.4	99.1	3501	9 US-10-176-965-37
9	3303.4	99.1	3501	9 US-10-14-474-37
10	3303.4	99.1	3501	9 US-10-142-431-37
11	3303.4	99.1	3501	9 US-10-143-114-37
12	3303.4	99.1	3501	9 US-10-140-002-37
13	551	16.5	625	9 US-09-925-599-209
14	551	16.5	625	10 US-09-929-299-209
15	537.6	16.1	1737	9 US-10-002-050-19
16	537.6	16.1	1737	9 US-10-002-304-19
17	537.6	16.1	1737	12 US-10-124-212-19
c	18	424.4	12.7	426 9 US-09-736-57-913
c	19	424.4	12.7	426 9 US-09-902-941-913

ALIGNMENTS

RESULT 1

CURRENT APPLICATION NUMBER: US-10-028-072-37
SEQUENCE 37, Application US/10028072

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Flivawoff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tunas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang

TITLE OF INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US-10-028-072-37
CURRENT FILING DATE: 2001-12-19
PRIORITY APPLICATION NUMBER: 60/049911
PRIORITY FILING DATE: 1997-06-18
PRIORITY APPLICATION NUMBER: 60/056974
PRIORITY FILING DATE: 1997-08-26
PRIORITY APPLICATION NUMBER: 60/059113
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059115
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059117
PRIORITY FILING DATE: 1997-09-18
PRIORITY APPLICATION NUMBER: 60/059122
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059184
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059263
PRIORITY FILING DATE: 1997-09-18

Sequence 913, App
Sequence 9, Appl
Sequence 9, Appl
Sequence 9, Appl
Sequence 567, App
Sequence 754, App
Sequence 595, App
Sequence 804, App
Sequence 864, App
Sequence 45, App
Sequence 45, Appl
Sequence 45, Appl
Sequence 45, Appl
Sequence 44, Appl
Sequence 44, Appl
Sequence 44, Appl
Sequence 3589, App
Sequence 5091, App
Sequence 108, App
Sequence 189, App
Sequence 2245, App
Sequence 6225, App
Sequence 34975, App
Sequence 14419, A

PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090538
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07

Query Match 99.1%; Score 3303.4; DB 9; Length 3501;
Best local Similarity 99.6%; Pred. No. 0; Mismatches 13; Indels 1; gaps 1;
Matches 3321; Conservative 0;

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Db 856 CTCTTATTGGAGAACACGCCCTCTCAGTATGACCAAGAACCTCCAGCCGTGCTGGTC 915
Qy 841 AGAACATGCCATACAGGGTGCCCTACACTCAGAATGCTTCCCCTGCAAACTCTGGC 900
Db 916 AGAACATGCCATACAGGGTGCCCTACACTCAGAATGCTTCCCCTGCAAACTCTGGC 975
Qy 901 AGTATCCAGCAAGCAGGSGCTCTTGCAACTTTGCCAGCAACTTGGCCACTCTTATCA 960
Db 976 AGGTATGCAGACAAGCAGGGCTCCCTCTGCACATTTGCCAGCAACTCTTATCA 1035
Qy 961 AATAAAGGAGAACCTTCCACCAAGTGGACCCCTGACAACTACAGAGAAGGATC 1020
Db 1036 AATAAAGGAGAACCTTCCACCAAGTGGACCCCTGACAACTACAGAGAAGGATC 1095
Qy 1021 TCTTCCTGTAAGTGGCCCAAGCTTGACAGACAAGATATTCTACACAGACACGCC 1080
Db 1096 TCTTCCTGTAAGTGGCCCAAGCTTGACAGACAAGATATTCTACACAGACACGCC 1155
Qy 1081 TGCCATGCCAACCGGAGACACAACTCATGACAAATGGCCAGCGAACATCTGAGC 1140
Db 1156 TCGCATGCCAACCGGAGACACAACTCATGACAAATGGCCAGCGAACATCTGAGC 1215
Qy 1141 GAGGACTTGAGGGGCACTGAAGCTGCTCTCTGTTGAGACCCACTTGCCACCC 1200
Db 1216 GAGGACTTGAGGGGCACTGAAGCTGCTCTCTGTTGAGACCCACTTGCCACCC 1275
Qy 1201 TCGAACCCAGCTTCTCAAACCAACACACACACACACACACACACACACAC 1260
Db 1276 TCGAACCCAGCTTCTCAAACCAACACACACACACACACACACACACAC 1335
Qy 1321 GATACAAATGTTGAGACAGACTGCTACCGCTCCCTGACAGGAGATGAACTCTGGATT 1320
Db 1326 TACTCCATGCTCACGACTGCTACCGCTCCCTGACAGGAGATGAACTCTGGATT 1395
Db 1336 TACTCCATGCTCACGACTGCTACCGCTCCCTGACAGGAGATGAACTCTGGATT 1380
Qy 1381 AACCTCGAGTACAGGCTGACAGCTGCTCCCTGACAGGAGATGAACTCTGGATT 1400
Db 1456 AACHTCGAGTACAGGCTGACAGCTGCTCCCTGACAGGAGATGAACTCTGGATT 1500
Qy 1441 GCTGAGGCTTCAACATGACTCTGACTCTGACCTGCCCACAAACACTGGACGCTTG 1455
Db 1396 GAATACAAATGTTGAGACAGGAGACGGACGGACGGACGGACGGACGGACGG 300
Qy 316 GACAGCACGGTTCAGGTGGAGGGTGCGCCATACCCGGCTTGAGCACAGC 375
Db 301 CTCGCTGACCCGTCAGGGACCAGTGCCTCTCTCTGCAACCGGGAGTTCTG 360
Qy 376 CTGCTGACCCGTCAGGGACCAGTGCCTCTCTGCAACCGGGAGTTCTG 435
Qy 361 GATATGAAAGGAGGAGCTGATGAGTGGATGAGCTGCCATGGCTTGAGCACAGC 495
Db 436 GATATGAAAGGAGGAGCTGATGAGTGGATGAGCTGCCATGGCTTGAGCACAGC 495
Qy 421 ATTCGGTTAGTAGTGGATGAGCTGCCATGGCTTGAGTGGCTTGAGCACAGC 555
Db 496 ATTCGGTTAGTAGTGGATGAGCTGCCATGGCTTGAGTGGCTTGAGCACAGC 555
Qy 481 GAGCAGGATGACAGTGCCTGAGCTGCCATGGCTTGAGTGGCTTGAGCACAGC 540
Qy 556 GAGCTGATGACAGTGCCTGAGCTGCCATGGCTTGAGTGGCTTGAGCACAGC 615
Db 541 CGGGGGACTACATGCCCTAACACGGAAATGACGACACTGATGTTGCCGTC 600
Db 616 CGGGGGACTACATGCCCTAACACGGAAATGACGACACTGATGTTGCCGTC 675
Qy 601 AACCTGAGACATCTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCA 660
Db 676 AACCTGAGACATCTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCA 735
Qy 661 TTGAGTTTGTTGAGTCAAGATGACGAGCTGCCAATGACGATGACTCTGGTGTG 720
Db 736 TTGAGTTTGTTGAGTCAAGATGACGAGCTGCCAATGACGATGACTCTGGTGTG 795
Qy 721 AAGACCAAGAGAACGATGGAAATTCACAGTGGACCTAATCGAGGCAATAATGTC 780
Db 795 AAGACCAAGAGAACGATGGAAATTCACAGTGGACCTAATCGAGGCAATAATGTC 855
Qy 781 CTCTTATTGGAGAACACGCCCTCTCAGTATGACCAAGAACCTCCAGCCGTGCTGGTC 840

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QY	1981	GTCAGGAAAGCCAGGAAAGACCAAGAACAGATCACCCTCTGCTCACAGTATGGTGCAGGCCGTGTTGGCCCTG	1980
Db	1996	CCCTCTAACACAACTCTAACAGGAAAGACCAAGAACAGATCACCCTCTGCTCACAGTATGGTGCAGGCCGTGTTGGCCCTG	2055
QY	1981	GGTCAGGAAAGCCAGGAAAGACCAAGAACAGATCACCCTCTGCTCACAGTATGGTGCAGGCCGTGTTGGCCCTG	2056
Db	2041	CACAACTCCACAGGACTTCACAATCTGCTCACAGTATGGTGCAGGCCGTGTTGGCCCTG	2040
QY	2041	GGTCAGGAAAGCCAGGAAAGACCAAGAACAGATCACCCTCTGCTCACAGTATGGTGCAGGCCGTGTTGGCCCTG	2055
Db	2116	CGAACACTCCACAGGACTTCACAATCTGCTCACAGTATGGTGCAGGCCGTGTTGGCCCTG	2115
QY	2101	CTGCTGAGGCCAAGCTACTCTCAAGGTTGAATACTTCATCACTTACCTC	2100
Db	2176	CTTGCTGGAGGCCAAGCTACTCTCAAGGTTGAATACTTCATCACTTACCTC	2235
QY	2161	AGTCCTGTTGAAACCCAGGGTAGGAAATGCTCTGTCACCCAGGCAATGCTACCTTC	2220
Db	2236	GGGATTCCTGAGGGTACTGAGGTTAGGAAATGCTCTGTCACCCAGGCAATGCTACCTTC	2295
QY	2221	CTGGCTGATGCGTTATGGGTTGACACAGATACTGACTCTGATGGAATGCTGAGGCT	2280
Db	2296	CGGATTCCTGAGGGTACTGAGGTTAGGAAATGCTCTGTCACCCAGGCAATGCTACCTTC	2355
Y	2281	GTCATCATCCCCAGAGGTGAGGTACAGAGCCGGGTTCCTCACAGCTGTCAGC	2340
b	2356	GTCATCATCCCCAGAGGTGAGGTACAGAGCTCAGGGCCGGGTTCTCTCACACCTGTCAGC	2415
Y	2341	CTGGCTGATGCGTTATGGGTTGACACAGATACTGACTCTGATGGAATGCTGAGGCA	2400
b	2416	CTGGCTGATGCGTTATGGGTTGACACAGATACTGACTCTGATGGAATGCTGAGGCA	2475
Y	2401	GCTGAACTTTCACCTGGAGTCTGGGAATACGGACCTGACTCTTATGGTC	2460
b	2476	GCTGAACTTTCACCTGGAGTCTGGGAATACGGACCTGACTCTTATGGTC	2535
Y	2461	AATGATGTGACCCAGTCCTGGAGTCAACACCCATCGCGTCAGTGTCACT	2520
b	2536	AATGATGTGACCCAGTCCTGGAGTCAACACCCATCGCGTCAGTGTCACT	2595
Y	2521	CCACAGAAAAGTGTCCCTGAGTGTGCGTCTCAGGACGCTCTGATGGACCTG	2580
b	2596	CCACAGAAAAGTGTCCCTGAGTGTGCGTCTCAGGACGCTCTGATGGACCTG	2655
Y	2581	GATGGCTGCAACTTCACCTCCAGTCCTGCACTCTGGAGATCAACCCATTCGGGTCACT	2640
b	2656	GATGGCTGCAACTTCACCTCCAGTCCTGGAGAGCGGGGTGCTGCCCCTCTGCTAGTG	2715
Y	2641	GCTRACTACCATGTTATGTCACAGCTGTTGGCTGGATCCAGAACGACTTACGTG	2700
b	2716	GCTRACTACCATGTTATGTCACAGCTGTTGGCTGGATCCAGAACGACTTACGTG	2775
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b	2776	TGGGAGGACCCAGCTATGCTGGGCAATTCTGCTGGGCTGCTGGCTGGATCCAGA	2835
Y	2761	TGGAAACCATGATGTTCTGGCTGAAGTGGCACTCTGCTGGCTGGATCCAGA	2880
b	2896	TGGCTGAGGCCAAGCTACTCTGCTCACAGTATGGTGCAGGCCGTGTTGGCCCTG	2955
Y	2836	TGCAAACCATGATGTTCTGGCTGAAGTGGCACTCTGCTGGCTGGATCCAGA	2940
b	2956	TCCAGCTGGTGTGATGTTACTCTCAAGGACTGTGACTCTGCTGGCTGGCCATC	3015
Y	2941	GGCATCATGGAGGGCAGGATGAGGAGCACTCTGCTCACAGTATGGTGCAGGCC	2999
b	3016	GGCATCATGGAGGGCAGGATGAGGAGCACTCTGCTCACAGTATGGTGCAGGCC	3075

RESU

US-10-121-049-37

; Sequence 37, Application US/10121049
; Publication No. US20030023239A1

; GENERAL INFORMATION:
; APPLICANT : Baker, Kevin P

APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura

Desnoyers, Lucia
; APPLICANT:
; APPLICANT: Filvaroff, Eli

APPLICANT: Gao, Wei-Qiang
APPLICANT: Corriente, Víctor

RE: DESIGN: GELLITSEN, MARIA
; APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey

APPLICANT: Gurney, Austin
; ADDRESSEE: Gurney, Austin

APPLICANT: Sherwood, Steve
; APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy
APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin
APPLICANT: Wood, William

APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRET

TITLE OF INVENTION: ACIDS
FILE REFERENCE: P3330R1C17

CURRENT APPLICATION NUMBER: 02007-00000
CURRENT FILING DATE: 2007

Prior Application renum
NUMBER OF SEQ ID NOS: 550

SEQ ID NO: 37 NO. 3501

LENSIN: 3501
TYPE: DNA
ORGANISM: Homo Sapiens

ORGANISM: Homo sapiens
FEATURE: NAME / REV: 1997

NAME/KEY: UNSURE
LOCATION: 2762, 2778
OWNER: UNKNOWN

S-10-121-049-37 OTHER INFORMATION: unknown base

Query Match 99.1%; S

Best Local Similarity 99.6%; Pred. No. 0; Mismatches 0; Length 3501; Matches 3321; Conservative

61 GCTGAGGCCCTGGCCACCCCAACATATCCTT

Wed Mar 12 10:08:32 2003

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Qy	1201	TSGAACCCAGSCTTCCTCAAAACCAACACAGAACCTCCAGCCATAGGTTC	1260
Db	1275	TSGAACCCAGGTTTCACACACACACACAGACCTCCAGCCATAGGTTC	1335
Qy	1261	TACTCCAATGGTCAGATGTTACCCGCTGCTCCAGGACTAACCTGCGTGGATT	1320
Db	1336	TACTCCAATGGTCAGATGTTACCCGCTGCCCTCAGGACTAACCTGCGTGGATT	1395
Qy	181	AGGGACCGGAGCTCACGCCTGAAAGTCTGAGTACCATGAGTACACGGGTTG	240
Db	256	AGGGACCGGAGCTCATGCTGCAAGAGTCTGAGTACCATGAGTACACGGGTTG	315
Qy	241	GACGACCGGTTCCAGTGAGGAGTCGCGCTCGCGATACCCGGCCCTGACCAGG	300
Db	316	GACGACCGGTTCCAGTGAGGAGTCGCGCTCGCGATACCCGGCCCTGACCAGG	375
Qy	301	CTGCTGACCCCTCAAGGCAACGGACCTGCTCTCTGCACCGGGGGAGTTCTG	435
Db	376	CTGCTGACCCCTCAAGGCAACGGACCTGCTCTCTGCACCGGGGGAGTTCTG	430
Qy	361	GATAATGAGGACCCAGTCAGTCAGTAGCTAGCAATGCCATGCCACAGG	420
Db	436	GATAATGAGGACCCAGTCAGTCAGTAGCTAGCAATGCCATGCCACAGG	495
Qy	421	ATTCGGTTGAGTGGATGAGTCGGATGAGTCGGCTCCATGGCTTCCAGCAGC	480
Db	496	ATTCGGTTGAGTGGATGAGTCGGATGAGTCGGCTCCATGGCTTCCAGCAGC	555
Qy	481	GAGCTGATGAGTCGGCTCCAGTCAGTCAGTCAGTCAGTCAGTCAGTCAG	540
Db	556	GAGCTGATGAGTCGGCTCCAGTCAGTCAGTCAGTCAGTCAGTCAGTCAG	615
Qy	541	CGGGGCGACTACATGCCCTCACAGCGGAATGCGCACACTGATGTAACCG	600
Db	616	CGGGGCGACTACATGCCCTCACAGCGGAATGCGCACACTGATGTAACCG	675
Qy	601	AACCTGAAGCAATCTGCCACCGTACTCGAACTACTATCCAGCTCCAGCATC	735
Db	676	AACCTGAAGCAATCTGCCACCGTACTCGAACTACTATCCAGCTCCAGCATC	720
Qy	661	TTTGAGTTTCTGTCAGAAGACAGTGGCCAGCAAGCAGTGGATGACCTG	795
Db	736	TTTGAGTTTCTGTCAGAATGACCTGCGCAATGCGCAATGCGCAATGCG	840
Qy	721	AAGACCACTGAGAAGATGGGATTCACGTTGAGGTTAATGAGGAAATGTC	780
Db	856	CCTATGGAGAACACAGCTTGTGAAATGCGCAATGCGCAATGCGCAATGTC	855
Qy	841	AGAACACATTGCATAACAGGGTGACCTACACTCGAGATGTTCCCGCAACTG	975
Db	916	AGAACACATTGCATAACAGGGTGACCTACACTCGAGATGTTCCCGCAACTG	915
Qy	901	ACGATGCGAGAACAGGGGCTCCCTTGTGCAACTTGGCCASCAAATCTTCA	960
Db	976	ACGATGCGAGAACAGGGGCTCCCTTGTGCAACTTGGCCASCAAATCTTCA	1035
Qy	961	ATAAAGGAGAACTCTGCGACCACTGTCAGTGGACCTGACAATACTAGAGAAGATCT	1020
Db	1036	ATAAAGGAGAACTCTGCGACCACTGTCAGTGGACCTGACAATACTAGAGAAGATCT	1095
Qy	1021	TCTCTCTGTACGGGCGCAGTTGACAGACAATTTCTACACACACCGCC	1080
Db	1096	TCTCTCTGTACGGGCGCAGTTGACAGACAATTTCTACACACACCGCC	1155
Qy	1081	TGGATGCCAAGGAGAACACTCATGACAATGGCCAAGCCAAATGTGAG	1140
Db	1156	TGGATGCCAAGGAGAACACTCATGACAATGGCCAAGCCAAATGTGAG	1215
Qy	1141	GAGGACCTGAGGGCAGTGAAGACCTGCTCTGGTGAAGACCCACTGCCACCC	1200

QY 2281 GTCATCATCCCCCAGGGAGCAGCTACAGCCGGGTTCTCACACCGCTGTCAGC 2340
Db 2356 GTCATCATCCCCCAGGGAGCAGCTACAGCCGGGTTCTCACACCGCTGTCAGC 2415
QY 2341 CTGCGTGTGACTATTGGGTGACACAGAATGACTCTGGATACTGGCTTCCACACCTGTCAGC 2400
Db 2416 CTGCGTGTGACTATTGGGTGACACAGAATGACTCTGGATACTGGCTTCCACACCTGTCAGC 2475
QY 2401 GCTGACTATTGGGTGACACAGAATGACTCTGGATACTGGCTTCCACACCTGTCAGC 2460
Db 2476 GCTGACTATTGGGTGACACAGAATGACTCTGGATACTGGCTTCCACACCTGTCAGC 2460
QY 2461 AATGATGTCACCCAGTCTGCACTGGAGTCAGCTGGGATACACACATCCGCCTCAGTGCACT 2535
Db 2536 AATGATGTCACCCAGTCTGCACTGGGATACACACATCCGCCTCAGTGCACT 2520
QY 2521 CCAGAAACAGTCGAGTGGAGATACACACATCCGCCTCAGTGCACT 2595
Db 2596 CCACAGAACATGTCGAGTGGAGATACACACATCCGCCTCAGTGCACT 2580
QY 2581 GATGGCGCAACTTCACCTCTGTCGGAGACCGGACGTCGCTGGAG 2655
Db 2655 GATGGCGCAACTTCACCTCTGTCGGAGACCGGACGTCGCTGGAG 2640
QY 2641 GCTGACTTACATGTCGAGTGGAGATTCGCACTGGGAGAGTCGCTGGAG 2715
Db 2716 GCTGACTTACATGTCGAGTGGAGATTCGCACTGGGAGAGTCGCTGGAG 2700
QY 2701 TGGCGAGAACCGAACGCTATGCTCTGGCATCTTCGCTGAGCTACCTGAG 2775
Db 2776 TGNCAGAGAACCTTCACCTCTGTCGGAGACGTCGCTGGAGAGTCACCAC 2760
QY 2811 TGCAAAACCATAGATTCTGGTGAAGTGGCATCTTCGAGGACCTGTAATGCCATC 2835
Db 2836 TGCAAACCATAGATTCTGGTGAAGTGGCATCTTCGAGGACCTGTAATGCCATC 2820
QY 2821 CTGTCACCGTCTGACCTGACTCTCAAGGACTGTCGAGCAGCTGACGCTGC 2895
Db 2881 TCGAAGTGGTGTGACTCTCAAGGACTGTCGAGCAGCTGACGCTGC 2955
QY 2956 TCGAAGTGGTGTGACTCTCAAGGACTGTCGAGCAGCTGACGCTGC 2940
Db 2941 GGCATCATGGAGGGAGGATGAGGAGCTCACTTACCAAGAA-TCACTC 3015
QY 2941 GGCATCATGGAGGGAGGATGAGGAGCTCACTTACCAAGAA-TCACTC 2999
Db 3016 GGCATCATGGAGGGAGGATGAGGAGCTCACTTACCAAGAA-TCACTC 3075
QY 3000 TTGGAGAGTCATACTTACCTCAGAGAACCTGCTGGTGTGAGTTGACTCTGCG 3059
Db 3076 TTGGAGAGTCATACTTACCTCAGAGAACCTGCTGGTGTGAGTTGACTCTGCG 3135
QY 3060 CTGAGAGACATCCAGGGGCCAGATGACTCTGAGAGAACCTGCTGGTGTGAG 3119
Db 3136 CTGAGAGACATCCAGGGGCCAGATGACTCTGAGAGAACCTGCTGGTGTGAG 3195
QY 3120 GCTTCCTGACCTTGACACCTTGACAGCCATGGGCAAGCTGGGCGATTTGGGCAAGCTCTG 3179
Db 3196 GCCTCCCTCACCTGATGACCTTGACAGCCATGGGCAAGCTGGGCGATTTGGGCAAGCTCTG 3255
QY 3180 CAACACCCACTCTGCAACTCTTCATCTGGCTTACAGATGTTGAAATTCGATC 3239
Db 3256 CAACACCCACTCTGCAACTCTTCATCTGGCTTACAGATGTTGAAATTCGATC 3315
QY 3240 TTTTTTATAGATGACCCAAACCCCTCTTCCTGCTCAACCTGCAATATACCC 3329
Db 3316 TTTTTTATAGATGACCCAAACCCCTCTTCCTGCTCAACCTGCAATATACCC 3375
QY 3300 ACATTTGTTGTTAATTTAAAAAAA 3334
Db 3376 ACATTTGTTGTTAATTTAAAAAAA 3410

RESULT 3
US-10-123-904-37
; Sequence 37, Application US10123904
; Publication No. US20030022328A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filwareoff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2330R1C54
; CURRENT APPLICATION NUMBER: US10123-904
; PRIOR APPLICATION NUMBER: US10123-904
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; SEQ ID NO: 37
; LENGTH: 3501
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2762, 2778
; OTHER INFORMATION: unknown base
; US-10-123-904-37

Query Match
best Local Similarity 99.1%; Score 3303.4; DB 9; Length 3501;
Matches 3321; Consistency 99.6%; Pred. No. 0; Mismatches 13; Indels 1; Gaps 1;
; Query 1 GCGAGAACGAGGCCAGCACCTTGAGGGAGACTGCGCTACTCAGGACACCTATG 60
Db 76 GCGAGAACGAGGCCAGCACCTTGAGGGAGACTGCGCTACTCAGGACACCTATG 135
; Query 61 GATGAGACCTGGCAGGCCAGCACCTTGAGGGAGACTGCGCTACTCAGGACACCTATG 120
Db 136 GCTGAGGCCAGCACCTTGAGGGAGACTGCGCTACTCAGGACACCTATG 195
; Query 121 ATACCCGGCTTGCGCGCTGCTGCTGGGGACCCCTTCGAGGACCTGAGGGCG 180
Db 196 ATACCCGGCTTGCGCGCTGCTGCTGGGGACCCCTTCGAGGACCTGAGGGCG 315
; Query 181 ACGGGACGGGAGGTTCAAGCTGGCAAGAGTCCTGAGTACCTATGACTACAGGGCTG 240
Db 255 ACGGGACGGGAGGTTCAAGCTGGCAAGAGTCCTGAGTACCTATGACTACAGGGCTG 375
; Query 241 GACAGCAGGGTTCAGGTTGGAGGCTGGCGCTGGCGCTGGGGGCTGAGCCAGG 300
Db 316 GAGAGACGGGTTCAAGCTGGCAAGAGTCCTGAGTACCTATGACTACAGGGCTG 375
; Query 301 CCGCCCTGACCCGCTGAGGCCAGGCGAGGCTCTCCCTCTGCAACCCGGGCTGAGCCAGG 420
Db 376 CTTGCTGACCCGCTGAGGCCAGGCGAGGCTCTCCCTCTGCAACCCGGGCTGAGCCAGG 495
; Query 361 GATATGAGGACGACTCATGTAAGCCATGCGCTGAGGGGGCTGAGCCAGG 435
Db 436 GATATGAGGACGACTCATGTAAGCCATGCGCTGAGGGGGCTGAGCCAGG 495

Db	1576	CGCAGCTGGTATGCCGACAGAGATAAAGAGTGGCCAGATCACATTGCTTT	1635
QY	1561	GAGACCTCTGTCGTGAACTTGAGCTCTTCATGGGGGTGAATTCTAGGACC	1620
Db	1636	GAGACCTCTGTCGTGAACTTGAGCTCTTCATGGGGGTGAATTCTAGGACC	1625
QY	1621	ACACTCTGTCGTGAACTTGAGCTCTTCATGGGGGTGAATTCTAGGACC	1680
Db	1696	ACACTCTGTCGTGAACTTGAGCTCTTCATGGGGGTGAATTCTAGGACC	1755
QY	1681	GAGGAGACACTTACCCGAGSCTCACCTGGCCCTCAGAGGACCACTTGTGAGGA	1740
Db	1756	GAGGAGACACTTACCCGAGSCTCACCTGGCCCTCAGAGGACCACTTGTGAGGA	1815
QY	1741	ACGAGAAGTACCAAATGAGGTTGCAAGTACTCTCAATGTCACCATCATT	1800
Db	1816	ACGAGAAGTACCAAATGAGGTTGCAAGTACTCTCAATGTCACCATCATT	1875
QY	1801	AATGCGGTGCCTCTACTGGGTCCTGTCCTAGTGAAGGCTGATGTGGGTCCT	1935
Db	1876	AATGCGGTGCCTCTACTGGGTCCTGTCCTAGTGAAGGCTGATGTGGGTCCT	1920
QY	1861	TGACACTCTGTCCTGCTGTTACTATATTGACCGAGATTAGAACCTCCACTCTG	1980
Db	1936	TGACACTCTGTCCTGCTGCTGTTACTATATTGACCGAGATTAGAACCTCCACTCTG	1995
QY	1921	CCCCCTTACRACAATTGCAAGGCCACCCAGCTTATGGTGTCCAGGCTGTC	2055
Db	1996	CCCCCTTACRACAATTGCAAGGCCACCCAGCTTATGGTGTCCAGGCTGTC	2040
QY	1981	GSPCCAGGACCAAGACACAGAACAGTCCACTCTGTCAGGACATGCACTCTG	2115
Db	2056	GSPCCAGGACCAAGACACAGAACAGTCCACTCTGTCAGGACATGCACTCTG	2100
QY	2041	CGACACACTCCACCAAGACAGAACAGTCCACTCTGTCAGGACATGCACTCTG	2175
Db	2116	CGACACACTCCACCAAGACAGAACAGTCCACTCTGTCAGGACATGCACTCTG	2160
QY	2101	CTTGCTGGGGSCAAGOTCACTTCAAGGGTGAATPACTTCATCACTTACCT	2235
Db	2176	CTTGCTGGGGSCAAGOTCACTTCAAGGGTGAATPACTTCATCACTTACCT	2220
QY	2161	AGTCUCTGTTGAACACCAGGGTGAATGTCITGTCGCCCCGAAATGTCACCT	2295
Db	2236	AGTCUCTGTTGAACACCAGGGTGAATGTCITGTCGCCCCGAAATGTCACCT	2280
QY	2221	CGGATCTCTGGGGTGAATGTCITGTCGCCCCGAAATGTCACCT	2355
Db	2296	CGGATCTCTGGGGTGAATGTCITGTCGCCCCGAAATGTCACCT	2340
QY	2281	GTCACTCATCCCCAGAGGTGACAGGCTACAAGGGGGTTCCACAGCCCTTCAG	2415
Db	2356	GTCACTCATCCCCAGAGGTGACAGGCTACAAGGGGGTTCCACAGCCCTTCAG	2400
QY	2341	CTGCTGATGACTTTGGGGTGAACAGATAATGACTCTGGATGAAATCCTTC	2475
Db	2416	CTGCTGATGACTTTGGGGTGAACAGATAATGACTCTGGATGAAATCCTTC	2460
QY	2401	GCTGACTTTCCACCGGACTCTGGGATGTCACCATCCGGCTCAGGTGCACT	2535
Db	2476	GCTGACTTTCCACCGGACTCTGGGATGTCACCATCCGGCTCAGGTGCACT	2580
QY	2461	AATGATGTTGACGACTTAATGGGGTGAACAGATAATGACTCTGGATGAAATC	2655
Db	2536	AATGATGTTGACGACTTAATGGGGTGAACAGATAATGACTCTGGGATGTCAC	2595
QY	2521	CCACAGAAACTGTCCTGGAACTTGTGTCAGGACTCTGGATGAAATCCTTC	2640
Db	2596	CCACAGAAACTGTCCTGGAACTTGTGTCAGGACTCTGGATGAAATCCTTC	2675
QY	2581	GATGGCTGCAACTTCCACTTCCCTGAGGAGGAGGAGGAGGAGGAGGAGGAG	2715
Db	2656	GATGGCTGCAACTTCCACTTCCCTGAGGAGGAGGAGGAGGAGGAGGAGGAG	2715
QY	1501	CGGAGCTGGGATGTCAGACACAGAGATAAAGAGGTTGCCAGAATCACATTGCTT	1560

Wed Mar 12 10:08:32 2003

Db	1216	GGGACCTTGAGGGCAGTGAACGTGCGCTGCCTCTGGGTGAGAACCCACTGCCACCC	1275	Db	2296	CGATTCCTGAGGTGAGTCAGGTTCTCAAATCTATCACAGCCTACGTCTGCCAGGA	2355
Qy	1201	TGCAACCCAGGCTTCCTCAAAACCAACAGGACCTGCCAGCTGCCATTGGTCC	1260	Qy	2281	GTCATCATCCCCAGAGGTGACAGGTACAAAGCCGGGTTCTCACAGCCTGTCAGC	2340
Db	1276	TGCAACCCAGGCTTCCTCAAAACCAACAGAACACAGCACCTGCCATTGGTCC	1335	Db	2356	GTCATCATCCCCAGAGGTGACAGGTACAAAGCCGGGTTCTCACAGCCTGTCAGC	2415
Qy	1261	TACTCCATGCTCAGACTGACTGACTGACTGACTGACTGACTGAGGACTGACCTG	1320	Db	2341	CTGGCTGATGACTPATGGGTGACACAAGATAATGACTCTGCGATGACCTGCCA	2400
Db	1336	TACTCCATGCTCAGACTGACTGACTGACTGACTGACTGACTGAGGACTGACCTG	1395	Db	2416	CTTGCCTGATGACTTATGGGTGACACAAGATAATGACTCTGCGATGACCTGCCA	2475
Qy	1321	GAATACAATGCTGGACACGCTGCCACACAACTGACAGGCTGAGGACTGACCTG	1380	Qy	2401	GCTGACTTTCACCTGGTCCUTGSGATAACCGGACTGACCTGAGGACTGACCTGCCA	2535
Db	1396	GAATACAATGCTGGACACGCTGCCACACAACTGACAGGCTGAGGACTGACCTG	1455	Db	2476	GCTGAACCTTTCACCTGGATCTGGGATCTGGGATCTGGGATCTGGGATCTGGGATC	2520
Qy	1381	ACTCTGAGTAGACAGGCTGAGGCTGAGGCTGAGGACTGAGGACTGACCTG	1440	Qy	2461	ATATGATGTTGACCTGAGGCTGAGGACTGAGGACTGAGGACTGAGGACTGAGG	2595
Db	1456	ACTCTGAGTAGACAGGCTGAGGCTGAGGCTGAGGACTGAGGACTGACCTG	1515	Db	2536	AATGATGTTGACCCAGTCTGCTCAGTCTGAGGATCAACCACATCGGGTAGGTG	2595
Qy	1441	GCTGGAGCCTCAGACATGACTCTGATGTTGACTCTGAGGTTGAGGACTGAGCT	1500	Qy	2401	GCTGACTTTCACCTGGTCCUTGSGATAACCGGACTGACCTGAGGACTGACCTGCCA	2535
Db	1516	GCTGGAGCCTCAGACATGACTCTGATGTTGACTCTGAGGTTGAGGACTGAGCT	1575	Db	2476	GCTGAACCTTTCACCTGGATCTGGGATCTGGGATCTGGGATCTGGGATCTGGGATC	2520
Qy	1501	CGCGAGTCGCTGAGGACAGACAGGAACTGAGGAACTGAGGAACTGAGGAACTG	1560	Qy	2461	ATATGATGTTGACCTGAGGCTGAGGACTGAGGACTGAGGACTGAGGACTGAGG	2595
Db	1576	CGCGAGTCGCTGAGGACAGACAGGAACTGAGGAACTGAGGAACTGAGGAACTG	1635	Db	2536	AATGATGTTGACCCAGTCTGCTCAGTCTGAGGATCAACCACATCGGGTAGGTG	2595
Qy	1561	GAGACCCCTGTTCTGAGACTGAGCTCTGAGGTTGAGGACTGAGCTGAGCTG	1620	Qy	2581	GATGGCTCCTGAGGACTTCCACTCTGAGGAGGATCAACCACATCGGGTAGGTG	2580
Db	1636	GAGACCCCTGTTCTGAGACTGAGCTCTGAGGTTGAGGACTGAGCTGAGCTG	1695	Db	2656	GATGGCTCCTGAGGACTTCCACTCTGAGGAGGACTGAGCTGAGGACTGAGG	2655
Qy	1621	ACACACTCTGTTGAGACAGCTGAGGTTGAGGACTGAGGAACTGAGGAACTG	1680	Qy	2641	GCTGACTACATCTGAGGACTGAGGACTGAGGACTGAGGACTGAGGACTGAGG	2640
Db	1696	ACACACTCTGTTGAGACAGCTGAGGAACTGAGGAACTGAGGAACTGAGGAACTG	1755	Db	2716	GCTGACTACATCTGAGGACTGAGGACTGAGGACTGAGGACTGAGGACTGAGG	2775
Qy	1681	GAGGAGAACACTTACACAGGACTTACCTGGGCTTACAGGAGGACTTACCTG	1740	Qy	2701	TGSGAGAACCCAGCTGAGGAGGACTGAGGAGGACTGAGGAGGACTGAGGAGG	2760
Db	1756	GAGGAGAACACTTACACAGGACTTACAGGAGGACTTACAGGAGGACTTACCTG	1815	Db	2776	TGNCAGAGAACCTGAGTCTGGCTCTGGTGAAGGCTGAGGAGGACTGAGGAGG	2835
Qy	1741	ACGAGGAGTACCTGAGGTTGAGGTTGAGGACTGAGGACTGAGGACTGAGG	1800	Qy	2761	TGCAAAACCATAGATTTCTGGCTGAAGTGGGAGGACTTCTGCTGAGGAGG	2820
Db	1816	ASCAAGGAGTACACCAGTACGGTCTGGCAAGGAGGACTTCTGCTGAGGAGG	1875	Db	2836	TGCAAAACCATAGATTTCTGGCTGAAGTGGGAGGACTTCTGCTGAGGAGG	2895
Qy	1801	ATATGGCTGCTCTACTGCGCTCTGGCCCTAGAAGGCTGATGTTGGCTCTCC	1860	Qy	2821	CTGCTCACCTCTGAGCTGACTTTGAGAAAGATAAAACTGAGTACAGTAC	2880
Db	1876	ATATGGCTGCTCTACTGCGCTCTGGCCCTAGAAGGCTGATGTTGGCTCTCC	1935	Db	2896	CTGCTCACCGCTCTGAGCTGACTCTACTTTGGAGAAAGATAAAACTGAGTACAGTAC	2955
Qy	1861	TGACCTCTGCTCTGGGTTGAGGACTTATTCACCGAGATTCAGGAGCTGCTC	1920	Qy	2881	TCCAACCTGGGAGGAGGAGTGTAGGGAGGACTCTACAGGAGCTGAGCAGCTG	2940
Db	1936	TGCACTCTTGTCTGCTGTTGAGTACTATTCACCGAGATTCAGGAGCTCCTC	1995	Db	2956	TCCAACCTGGTGTAGTGTACTCTGAGCTGAGCTGAGCAGCTGAGCAGTC	3015
Qy	1921	CCCCCTAACAACTTCTGAAAGCCCACAGGCTTATGGTGGCCAGGCCCTG	1980	Qy	2941	GGCATATGGAGGAGGAGTGTAGGGAGGACTCTACAGGAGCTGAGCAGCTG	2999
Db	1996	CCCCCTAACAACTTCTGAAAGCCCACAGGCTTATGGTGGCCAGGCCCTG	2055	Db	3016	GGCATATGGAGGAGGAGTGTAGGGAGGACTCTACAGGAGCTGAGCAGCTG	3075
Qy	1981	GGTCAGGGACCAAGAACAGAACAGAACAGAACAGAACAGAACAGAAC	2040	Qy	3000	TTGGGAGAGTAATCTTACCTCCAGAGGAGCTCTGGTGTAGTGTAGTGTAG	3059
Db	2056	GGTCAGGGACCAAGAACAGAACAGAACAGAACAGAACAGAACAGAAC	2115	Db	3076	TTGGGAGAGTAATCTTACCTCCAGAGGAGCTCTGGTGTAGTGTAGTGTAG	3135
Qy	2041	CGCACACTCACAACAGGACTTCACTACAACACTTCTGCCCTTGGCAACACGGCACT	2100	Qy	3050	CTGAGAGATCTCTCAGGGGCCAGACATGGACCTCTGGAGGGACTGCTGCTC	3119
Db	2116	CGCAACACTCACAACAGGACTTCACTACAACACTTCTGCCCTTGGCAACACGGCACT	2175	Db	3136	CTGAGAGATCTCTCAGGGGCCAGACATGGACCTCTGGAGGGACTGCTGCTC	3195
Qy	2101	CTTGGCTGGAGGCAACAGACAGACAGACAGACAGACAGACAGACAGAC	2160	Qy	3180	CAACCCACTGCTGAGAACATCTCTGAGCTGAGGACTGCTGCTGCTC	3239
Db	2176	CTTGGCTGGAGGCAACAGACAGACAGACAGACAGACAGACAGACAGAC	2235	Qy	3120	GCCCTCTTACCTCTGAGACCTCTGAGCTGAGGACTGCTGCTGCTC	3179
Qy	2161	AGTCTCTGTTGAAACAGGGTAGGAAATGCTGTCAGGACCTGACCTC	2220	Qy	3196	GCCCTCTTACCTCTGAGACCTCTGAGCTGAGGACTGCTGCTGCTC	3255
Db	2236	AGTCTCTGTTGAAACAGGGTAGGAAATGCTGTCAGGACCTGACCTC	2295	Qy	3240	TTTTTATAGACTACCCAAACCCCTCTGAGGACTGCTGCTGCTC	3299
Qy	2221	CGGATTCCTGAGGGTGTAGGGTCTCCAACTATCACAGCCTAGCTGCGAGGA	2280	Db	3316	TTTTTATAGACTACCCCTCTGAGGACTGCTGCTGCTC	3375
				Qy	3300	ACATTTGTGTTAATAAAGAAAAAA	334
				Db	3376	ACATTTTTAAAGAAAAAA	3410

RESULT 6

US-10-176-918-37

; Sequence 37, Application US/10176918

; Publication No. US20030027275A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: Desjores, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Oiang

; APPLICANT: Goddard, Mary E.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R0IC3B2

; CURRENT APPLICATION NUMBER: US/10/176,918

; CURRENT FILING DATE: 2002-06-20

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 37

; LENGTH: 3501

; TYPE: DNA

; ORGANISM: Homo Sapien

; FEATURE: unsure

; LOCATION: 2762, 2778

; OTHER INFORMATION: unknown base

; US-10-176-918-37

Query Match 99.1%; Score 3303.4; DB 9; Length 3501; Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

Qy 1 GCAGAGAGCAGCAGCCGAGCACCTGACCGCGTACTGGCGCTACTGCAGACAACCTATG 60

Db 76 GCAGAAGCAGCAGCCGAGCACCTGACCGCGTACTGCAGACAACCTATG 135

Qy 61 GCGAGCGCTGGGACAGCACCATCTGCCAGAGTCAGGGAGACTGAGGGC 120

Db 136 GCGAGCGCTGGGACAGCACCATCTGCCAGAGTCAGGGAGACTGAGGGC 195

Qy 121 ATAACCCGGCTGGGGCTGTGCTGGGACCTGGGACGGCAAGCAGGG 180

Db 196 ATACCCGGCTGTGGGGCTGTGCTGGGACGGCAAGCAGGG 255

Qy 181 ACGGGACCGGGAGCTTCACGGCTGCAAGAGCTGAGTACACGGCG 240

Db 256 ACGGGACCGGGAGCTTCACGGCTGCAAGAGCTGAGTACACGGCG 315

Qy 241 GACAGCAGCGTTCAGGGCTGGGGCTGTGGGGCTGTGGGG 300

Db 316 GACAGCAGCGGTTCCAGGGCTGGGGCTGTGGGGCTGTGGGG 375

Qy 301 CTGGCTGACCCCGTCAAGGCACCGAGCTGCTCTCTGCAACGGGGGG 360

Db 376 CTGTCGACCCCGTCAAGGCACCGAGCTGCTCTCTGCAACGGGGGG 495

Qy 361 GATATGAAGGACCACTCATGAAACCATGCGCTGAGGCGCCGCTACTCCCTGGGAGGG 435

Db 436 GATATGAAGGACCACTCATGAAACCATGCGCTGAGGCGCCGCTACTCCCTGGGAGGG 495

Qy 421 ATTGGTGTGATGAGTGGGATGAGCTGCCCATGGCTTGCCAGCCACATG 480

Db 496 ATTCGGTTCTGATGAGTGGGATGAGCTGCCCATGGCTTGCCAGCCACATG 555

Qy 481 GAGCGGGATGACAGTGTGAGTGGGATGAGCTGCCCATGGCTTGCCAGCCACATG 540

Db 556 GAGCGGGATGACAGTGTGAGTGGGATGAGCTGCCCATGGCTTGCCAGCCACATG 615

Qy 541 CGGGGGGATGACATCGCCTCACACGGGAACTGTGACTCGTGTGAGTGGGCTCC 600

Db 616 CGGGGGGATGACATCGCCTCACACGGGAACTGTGACTCGTGTGAGTGGGCTCC 675

Qy 601 AACCTGAAGCAACTGGCACCTTAACCTGAACTACTATCCAGACTCCACATC 660

Db 676 AACCTGAAGCAACTTGCGCACCGTTACTTGAACTACTATCCAGACTCCACATC 735

Qy 661 TTGAGTTTGTCTGAGATGACCACTGACCGTGCAGCCAATGAGTACTGAGTCACTGAGGGATG 720

Db 736 TTGAGTTTGTCTGAGATGACCACTGACCGTGCAGCCAATGAGTACTGAGTCACTGAGGGATG 795

Qy 721 AAGACCAAGAGAAGATGGAACTTCCACAGCTGTGAGCTTAATCGAGGAAATAATGTC 780

Db 796 AGACCAAGAGAAGATGGAACTTCCACAGGAGCAACAGCTGAGCTTAATCGAGGAAATAATGTC 855

Qy 781 CTCTATTGGGAAACACAGCCTCTCAGTAGGACAAAGTACCCAAAGCCCTGCTGGT 840

Db 856 CTCTATTGGGAAACACAGCCTCTCAGTAGGACAAAGTACCCAAAGCTGCTGGT 915

Qy 841 AGAACATTCCTACAGGGTGGCTTACACTCTCAGATGAGTACTGCTCCCTGGAACCTGGC 900

Db 916 AGAACATTCCTACAGGGTGGCTTACACTCTCAGATGAGTACTGCTCCCTGGAACCTGGC 975

Qy 901 ACGTATGAGCAAGCAGGGCTCTCTCTGCAACTTGGCCAGCAACTCTTATCA 960

Db 976 ACGTATGAGCAAGCAGGGCTCTCTCTGCAACTCTTATCA 1035

Qy 961 ATAAAGGAGAACTCTGCCACCGTGTGGGCTTACACAGGGATC 1020

Db 1036 ATAAAGGAGAACTCTGCCACCGTGTGGGCTTACACAGGGATC 1095

Qy 1021 TCTTCTGTAACCTGCGCCACCTGACAGACAGACAGCTACACAGGGC 1080

Db 1096 TCTTCTGTAACCTGCGCCACCTGACAGACAGACAGCTACACAGGGC 1155

Qy 1081 TGGATGCCACGGAGACAGACACTCATGACAAATGGCCAAAGGGAAATCTGTAGC 1140

Db 1156 TGCGATGCCACGGAGACAGACACTCATGACAAATGGCCAAAGGGAAATCTGTAGC 1215

Qy 1141 GAGGACCTTGGGGGGAGTCAGTGAAGTGTGCTCCCTCTGGTGAAGACCCACTCCACCC 1200

Db 1216 GAGGACCTTGGGGGGAGTCAGTGAAGTGTGCTCCCTCTGGTGAAGACCCACTCCACCC 1275

Qy 1201 TGCACACCAGGCTCTCAAAACCAACAAACGACACTGTGCCAGCCTGCCATATGGTCC 1260

Db 1276 TGCACACCAGGCTCTCAAAACCAACAAACGACACTGTGCCATATGGTCC 1335

Qy 1261 TACTCCAACTGCTGAGCTTACCGCTGCCCTGAGGAGCTGACCTGCTGGGATT 1320

Db 1336 TACTCCAACTGCTGAGCTGACGTGACCCGCTGCCCTGCCAGGACTGCTGGGATT 1395

Qy 1321 GATATGAATGGTGAACACGGCTGGCCACAAACATGAGAACACCGGTCAGTGGATC 1380

Db 1396 GATATGAATGGTGAACACGGCTGGCCACAAACATGAGAACACCGGTCAGTGGATC 1455

Qy 1381 ACTCTGAGCTCAAGGCACGATGAGCTGCTCTCTGCAACGGGGGGAGTTCTG 1440

Db 1456 ACTCTGAGCTCAAGGCACGATGAGCTGCTCTCTGCAACGGGGGGAGTTCTG 1515

Qy 1441 GCTGGAGCTCAACAACTGACTCATGCTTCACTGTGTTGCGCAGGATTAAGCT 1500

Db 1516 GCTGGAGCTCAACAACTGACTCATGCTTCACTGTGTTGCGCAGGATTAAGCT 1575

Qy 1501 CCAGCAGGGTGTGGGAGACACAGAGAATTAAGAGGGTGGCCAGAACATCATGTC 1560

QY	1576	GCGCAGCTGGGTGATGGCCAGACAGAAATAAAGGGTGCAGAGCTCACATTGTCCTT	1635
Db	1561	GAGACCCCTCTGTTCTGGAACACTGTGAGCTTACTCTCATGTTGGGTGATCTAGGACC	620
Db	1536	GAGACCCCTCTGTTCTGGAACACTGTGAGCTTACTCTCATGTTGGGTGATCTAGGACC	1695
QY	1621	AACACTCTGTGGAGAGCTGGGAAGGTTCCAAAGGCAACAGTCTATACCTACATATT	1680
Db	1696	AACACTCTGTGGAGAGCTGGGAAGGTTCCAAAGGCAACAGTCTATACCTACATATT	1755
QY	1681	GAGGAGAACACTAACAGAGCTTACAGGCTTACAGGCTTACAGGAGGACCTTTCATAGGA	1740
Db	1756	GAGGAGAACACTAACAGAGCTTACAGGCTTACAGGAGGACCTTTCATAGGA	1815
QY	1741	AGGAGGAAGTACACCAATTGAGCCATTGCAAGGCTTACATCCTACATGTCACCAAGTGT	1800
Db	1876	AATAGCGTGGCTCTACTCGCCGCCCTGTGCCTAGAACCTCTGTGAGTGGCTCCTC	1935
QY	1816	TGCAACTCTTGCTGTGTTACTATATTGACCGATAATTGACCGATACTTCACATGTCACATG	1875
Db	1936	AATGGCGTGGCCCTACTGCGTCCCTGCGCTAGTGGCTCTGAGTGGCTCTC	1860
QY	1921	CCCCTAACAATTCTGAAGGCCACCGCCATTGTCAGGCTCTGTGAGGCTCTGTGAGTGGCTC	1980
Db	1996	CCCCCTAACAACTCTGAAAGCCACCGCCATTGTCAGGCTCTGTGAGGCTCTGTGAGTGGCTC	1920
QY	2041	GGTCAGGAGCAACAGGACTTCACTAACTAACACTCTCCGTTGGCAACACCGTCACT	2055
Db	2116	GGTCAGGAGCAACAGGACTTCACTAACTAACACTCTCCGTTGGCAACACCGTCACT	2040
QY	2101	CTTGCGTGGAGGCCAACGCTTCACTCCAAGGGTGAATTAACCTTACATTACCTC	2115
Db	2176	CTTGCGTGGAGGCCAACGCTTCACTCCAAGGGTGAATTAACCTTACATTACCTC	2100
QY	2161	AGTCCTGAAACAGGGTAGGAAATTCCTGTCACCGACATGTCACGTGACCTC	2175
Db	2236	AGTCCTGTTGAAACCGGGTAGGAAATTCCTGTCACCGACATGTCACGTGACCTC	2160
QY	2221	CGGATCTTGAGGTGTAGGGTCTCCAAATCATCACAGCTACGGTCAAGGCA	2280
Db	2296	CGGATCTTGAGGTGTAGGGTCAAGGTCTCCAAATCATCACAGCTACGGTCAAGGCA	2355
QY	2281	GTCACTCATCCCCAGAGGTGACAGGTACAGGGGTTCCACAGCCCTGTCAG	2340
Db	2355	GTCACTCATCCCCAGAGGTGACAGGTACAGGGGTTCCACAGCCCTGTCAG	2415
QY	2341	CTTGCTGATGCACTTATGGGTGACACAGATATGACTCTGATGAAACCTCCCCA	2400
Db	2416	CTTGCTGATGCACTTATGGGTGACACAGATATGACTCTGATGAACTCCTCCCCA	2475
QY	2401	GTGCAACTTTCACCTGGAGTCTTGGAAATACCGGACCTGGTCAACCTTATAGTC	2460
Db	2476	GTGCAACTTTCACCTGGAGTCTTGGAAATACCGGACCTGGTCAACCTTATAGTC	2535
QY	2461	AATGATGTCACCGTCCAGTGGCTGACAGTCAACCTGGAGTCTGGAGTGGCTC	2520
Db	2536	AATGATGTCACCGTCCAGTGGCTGACAGTCAACCTGGAGTCTGGAGTGGACTGT	2595
QY	2521	CCACAGAAACTGTCCTGGAGAGCTGGCTGAGGAGCTGGCTGAGTGGACCTGT	2580
Db	2596	CCACAGAAACTGTCCTGGAGAGCTGGCTGAGGAGCTGGCTGAGTGGACCTGT	2655
QY	2581	GATGGGTGCAACTTCACTTCTGGAGGGGGTGTGTCCTGGCTCAGT	2640
Db	2656	GATGGGTGCAACTTCACTTCTGGAGGGGGTGTGTCCTGGCTCAGT	2710
QY	2661	GCTGACTAACATGCTGTCAGCAGGTGTTGGGTGATCCAGAGCTACTTAGTG	2700
Db	2716	GCTGACTAACATGCTGTCAGCAGGTGTTGGGTGATCCAGAGCTACTTAGTG	2775
QY	2701	TSGCAGAACCCAAAGCTTGTGTCAGTCTGGGTGCACTCTGTCAGTCAAGACTACTAGTG	2750
Db	2776	TGNCAGAACCCAAAGCTTGTGTCAGTCTGGGTGCACTCTGTCAGTCAAGACTACTAGTG	2835
QY	2761	TGCAAACATGATTCTGGCTGAAGTGTGAGGACCTCTGAGGAGTGTACATC	2820
Db	2836	TGCAAACATGATTCTGGCTGAAGTGTGAGGACCTCTGAGGAGTGTACATC	2895
QY	2821	CTGTCACCGTCTGACTCTGACTCTTGGAAAAGATCAAACATTGACCTACAGTC	2880
Db	2896	CTGTCACCGTCTGACCTGCTACTTGGAAAAGATCAAACATTGACCTACAGTC	2955
QY	2941	GCCATCATGGAGGGAGGATGAGGACTACTCTCAGGACTGTGACCTGCCAGCTG	2940
Db	3016	GCCATCATGGAGGGAGGATGAGGACTACTCTCAGGACTGTGACCTGCCAGCTG	3075
QY	3000	TGGGGAGAGTCAATTACCTCCAGAGGACTCTGAGGACTCTGAGGACTCTGAGGACT	3059
Db	3076	TTGGGGAGAGTCAATTACCTCCAGAGGACTCTGAGGACTCTGAGGACT	3135
QY	3136	CTGAAAGCATCTCAGGAGGCCAGACATGACCTGAGGACTCTGAGGACT	3195
Db	3120	GCCTCTCACCTTGCAATAGACCTTGTGAGGACTCTGAGGACTCTGAGGACT	3179
QY	3196	GCCTCTCACCTTGCAATAGACCTTGTGAGGACTCTGAGGACTCTGAGGACT	3255
Db	3180	CAACACCACTCTGGAAATCTCTCATGGGGCTTATGAGNTTGTGAACTTCAGTC	3239
Db	3256	CAACACCACTCTGGAAATCTCTCATGGGGCTTATGAGNTTGTGAACTTCAGTC	3315
QY	3240	TTTTTATAGTAGTACCCAAACCTCTCTCTGCTGCTGCTGCTGAAATATCCC	3299
Db	3316	TTTTTATAGTAGTACCCAAACCTCTCTGCTGCTGCTGCTGAAATATCCC	3375
QY	3300	ACACTTCTTGTAAATTAAAAAAAGAAAAA	3334
Db	3376	ACATTTTTTTAAAGAAAAAAAGAAAAA	3410

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C2B8
 CURRENT APPLICATION NUMBER: US10/176,921
 CURRENT FILING DATE: 2002-06-20
 PRIORITY APPLICATION NUMBER: removed - See File wrapper or Palm
 SEQ ID NO: 37
 LENGTH: 3501
 TYPE: DNA
 ORGANISM: Homo Sapien
 FEATURE: ;
 NAME/KEY: unsure
 LOCATION: 2762, 2778
 OTHER INFORMATION: unknown base
 US-10-176-921-37

Query Match	Score	DB	Length
Best Local Similarity	99.1%	9	3501
Matches	3321;		
Conservative	99.6%	0;	
Mismatches	13;		
Indels	1;		
Gaps	1;		
QY			
1	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	916 CTCATGGAGAACACAGCCTTCTCACTATGGACAAAGTACCAACGCTTGCG	915	
QY			
2	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	941 AGAACATGCCATACAGGGGCCACTCAGATGCTCCCTGCAACCTGGC	900	
QY			
3	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	956 CTCATGGAGAACACAGCCTTCTCACTATGGACAAAGTACCAACGCTTGCG	915	
QY			
4	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	961 AATAAGGAGAACACTCTTGCCACCCAGGTGACCAATTACTCAGAGAAAGAT	1020	
QY			
5	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	976 ACATGAGACAGAACGAGGCTCTTGCCAAACTTGTGCCAGGCAACTCTTA	1035	
QY			
6	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	984 1 AGCTTGAGACAGAACGAGGCTCTTGCCAAACTTGTGCCAGGCAACTCTTA	960	
QY			
7	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	991 ATGAGCTGCTGAGGAGAACGAGGCTCTTGCCAAACTTGTGCCAGGCAACTCTTA	1015	
QY			
8	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1016 AGCAGGAGATCACCAATGAGCTGCTGAGGAGAACGAGGCTCTTGCCAAACTCTTA	1080	
QY			
9	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1096 TCTCTCTTAACCTGCGCCAGCTTGCCACAGACAAAGTATTTCTACACACGGC	1155	
QY			
10	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1156 TCGATGCGAACGGAGAGACACAACATGTCACAAATGGCCAACCGAACATCTG	1140	
QY			
11	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1161 GAGGACCTTGAGGGGAGTGAAGCTGAGCTGCTCTCGCTCTCGTGTGAAGAAC	1200	
QY			
12	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1216 GAGGACCTTGAGGGGAGTGAAGCTGAGCTGCTCTCGTGTGAAGAAC	1275	
QY			
13	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1201 TGAACCCAGGCTCTAAACCAACACAGAACCTGCGACGCCCTGCCCCATATGGT	1260	
QY			
14	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1276 TCGAACCCAGGCTCTCAACACACAAACAGAACCTGCGACGCCCTGCCCCAT	1335	
QY			
15	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1211 TACTCCATGCTCACACTGTAACCGCTGCTGCTGAGGACTGACTGAACTCTGTG	1320	
QY			
16	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1336 TACTCCATGCTCACACTGTAACCGCTGCTGCTGAGGACTGAACTCTGTGGGATT	1395	
QY			
17	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1321 GAATACAATGTTGAGACAGCTGCGCACACATGGAACGACCGTCTCAGTGGGAC	1380	
QY			
18	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1396 GAATACAATGTTGAGACAGCTGCGCACAAACATGGAACGACCGTCTCAGTGGG	1455	
QY			
19	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1381 AACCTGAGAACGGGAGACAGGCTGAGGAGCTGAGGAGCTGAGGAGCTGAGGAG	1440	
QY			
20	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1456 AACCTTGAGAACGGCTGAGCTGAGGCTGAGGAGCTGAGGAGCTGAGGAGCT	1515	
QY			
21	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1441 GCTGGAGCCCTCAGAACAACTGACTTCATGATGCTACTCTGGTGTGCAAGGAT	1500	
QY			
22	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1516 GCTGGAGCCCTCAGAACATRACTCTCATGATCTACTCTGGTGTGCAAGGAT	1575	
QY			
23	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1501 CGCAGCTGCTGATGGAGAACGAGGATTAAGAGGGGCCAGAATCACATTGCTT	1560	
QY			
24	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1576 CCGAGTCGSGTGTGGAGAACACAGAACAGAGATAAAAGAGGGTGGCCAGAA	1635	
QY			
25	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1561 GAGACCCCTGTTGAGACTTGAGCTTGTGAGGAGCTGAGGAGCTGAGGAGC	1620	
QY			
26	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1636 GAGACCCCTGTTGAGACTTGAGCTTGTGAGGAGCTGAGGAGCTGAGGAGC	1695	
QY			
27	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1621 AACACTCCCTGGAGACGGTGGAAAGGTCCAAAGGAAACAGTCCATTACATCATT	1680	
QY			
28	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1695 AACACTCCCTGGAGACGGTGGAAAGGTCCAAAGGAAACAGTCCATTACATCATT	1755	
QY			
29	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1681 GAGGAGAACACTACAGGAGCTCACCGCTTGAGGAGACCTTCTCATGGCC	1740	
QY			
30	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1756 GAGGAGAACACTACAGGAGCTTCACCGCTTGAGGAGACCTTCTCATGGCC	1815	
QY			
31	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1741 AACGAGGAATGACCAATGAGCTGCTGAGGAGCTTCTCATGGAGCTTCTCATGG	1800	
QY			
32	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1816 AGCAGGAGATCACCAATGAGCTGCTGAGGAGCTTCTCATGGAGCTTCTCATGG	1875	
QY			
33	GCAGAAGCAGGAGCCACAGAACCTTGACCGGACTTGCCGCTACTCAGGAAACGCTA	60	
Db	1801 ATGGCTGGCCCTACTGGCTCTGGCCCTAGAAGACCTCTGATGGGGCTC	1860	
QY			

Db 1936 TGGACCTCTGCTCTGTTACTATATGACGAGATTCAGAACCTGCCACTCCCTGC 1995
 Qy 1921 CCCTCTAACACAATTGCAAACCCACAGCCTATGGTGTCCAGCCCTGTGCCCCGT 1980
 Db 1996 CCCCTAACACAATTGCAAACCCACAGCCTATGGTGTCCAGCCCTGTGCCCCGT 2055
 Qy 1981 GGTCAGGAGCACAGAACAGATCCACTCTCTGTCATACTGATTCACCTCTCA 2040
 Db 2056 GGTCAGGAGCACAGAACAGATCCACTCTGTCATACTGACCTCTCA 2115
 Qy 2041 CGCACACACTCCACCAACAGACTTCACTACAATTCCCGGTTTGCAAAACCCACT 2100
 Db 2116 CGCACACACTCCACCAACAGACTTCACTACAATTCCCGGTTTGCAAAACCCACT 2175
 Qy 2101 CTGCTGGAGGCCAACGCTCACTTCAACAGGTTGAATACTCCATCACTTACCTC 2160
 Db 2176 CTGCTGGAGGCCAACGCTCACTTCAACAGGTTGAATACTCCATCACTTACCTC 2235
 Qy 2161 AGTCCTCTGAGAACCCAGGGTAGCAAAAGTCTGTCACCGACAATGTCACCTGCCTC 2220
 Db 2236 AGTCCTCTGAGAACCCAGGGTAGGAATAATGTCCTGTCACCTGACCTGACCTC 2295
 Qy 2221 CGGATCTCTGAGGGAGCTCACTTCAAAAGTTGAATACTTCCATCAACAGCTACTGCTCCAGCA 2280
 Db 2296 CGGATCTCTGAGGGAGCTCACTTCAAAAGTTGAATACTTCCATCAACAGCTACTGCTCCAGCA 2355
 Qy 2281 GTCATATCCCCCAGAGGTGACAGCTACAAAGCCGGTTCTCACGGCTGTAGC 2340
 Db 2356 GTCATCATCCCCCAGAGGTGACAGCTACAAAGCCGGTTCTCACGGCTGTAGC 2415
 Qy 2341 CTGCTGCTGATGCACTATGGGGTGAACACKGATATGACTCTGATGGATCACTCCCA 2400
 Db 2416 CTGCTGCTGATGCACTATGGGGTGAACACKGATATGACTCTGATGGATCACTCCCA 2475
 Qy 2401 GTGAACTTTCACCTGGACTCCCTGGATACGGAGTGAATTTAGGCC 2460
 Db 2476 GTGAACTTTCACCTGGACTCCCTGGATACGGAGTGAATTTAGGCC 2535
 Qy 2461 ATGATGTCGACCTGGATACGGAGTGAATTTAGGCC 2520
 Db 2536 ATGATGTCGACCTGGATACGGAGTGAATTTAGGCC 2595
 Qy 2521 CACAGAAACTCTGGAGTGTCTGGAGATCACCCATCGCGTCAGGTGAGT 2580
 Db 2596 CACAGAAACTCTGGAGTGTCTGGAGATCACCCATCGCGTCAGGTGAGT 2655
 Qy 2581 GATGGCTGACCTCCACTTCTGGAGAGCGCGCTGCTGCCGCTGTCAGT 2640
 Db 2656 GATGGCTGACCTCCACTTCTGGAGAGCGCGCTGCTGCCGCTGTCAGT 2715
 Qy 2641 GCTGACTACCATGTCAGTCAGCTGGCTGGATCAGAGATACTTAGTG 2700
 Db 2716 GCTGACTACCATGTCAGTCAGCTGGCTGGATCAGAGATACTTAGTG 2775
 Qy 2701 TGGCGAGAACCCAGCTATGCTCTGGCATTCCTGCTGAGAGTCACATC 2760
 Db 2776 TGNCAGAACCACGCTATGCTCTGGCATTCCTGCTGAGAGTCACATC 2835
 Qy 2761 TGCAAAACCATGATTCCTGGCTGAAGTGGCATCTGCTGAGAACCTGTCAC 2820
 Db 2836 TGCAAAACCATGATTCCTGGCTGAAGTGGCATCTGCTGAGAACCTGTCAC 2895
 Qy 2821 CTGCTCACCTCTGACCTGCTACTTTGGAAAGAAGTCAAAACTAGAGTACAGTAC 2880
 Db 2896 CTGCTCACCTCTGACCTGCTACTTTGGAAAGAAGTCAAAACTAGAGTAC 2955
 Qy 2881 TCCAAGCTGGTGTAGATCTACTCTCAAGGACTGTCAGCTGC 2940
 Db 2956 TCCAAGCTGGTGTAGATCTACTCTCAAGGACTGTCAGCTGC 3015
 Qy 2941 GCGATCATGGAGGGAGGTAGAGGAGAACCTCACTTACAGAAGAAGA-TCACTC 2999

RESULT 8
 US-10-137-865-37
 ; Sequence 37, Application US/10137865
 ; Publication No. US20030032155A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: 3330R1C154
 ; CURRENT APPLICATION NUMBER: US/10/137,865
 ; CURRENT FILING DATE: 2002-05-03
 ; PRIOR APPLICATION REMOVED - See Palm or File Wrapper
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO: 37
 ; LENGTH: 3501
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 ; FEATURE: NAME/KEY: unsure
 ; LOCATION: 2762, 2778
 ; OTHER INFORMATION: unknown base
 ; US-10-137-865-37
 Query Match 99.1%; Score 3303.4; DB 9; Length 3501;
 Best Local Similarity 99.6%; Pred. No. 0; Mismatches 13; Indels 1; Gaps 1;
 Matches 3321; Conservative 0;
 Qy 1 GCGAGAGCAGCGCAGCACCTGGCTACTGCGCTACTGAGCAACGCTATG 60
 Db 76 GCAGAGCAGCGCAGCACCTGGCTACTGCGCTACTGAGCAACGCTATG 135

QY	61	GOTGAGCTTGGGCACAGCCACATCTCCTCGCGCAAGAGTCAGGGAGAACTGAGASGCC	120
Db	136	GCAGGAGCTGGCACACCCACATCTCCTCGCGCAAGAGTCAGGGAGAACTGAGASGCC	195
QY	121	ATACCCGGCTGGGCACAGCCACATCTCCTCGCGCAAGAGTCAGGGAGAACTGAGASGCC	120
Db	196	ATACCCGGCTGGGCACAGCCACATCTCCTCGCGCAAGAGTCAGGGAGAACTGAGASGCC	180
QY	181	ACGGACCGAGCTTCAAGCCCTGCAAGAAAGAGTCAGGGAGAACTGAGASGCC	255
Db	256	ACGGACCGAGCTTCAAGCCCTGCAAGAAAGAGTCAGGGAGAACTGAGASGCC	240
QY	301	CTGCGCTGACCGCGTCAAGGCACCCGAGTGTCTCTTGCAAGAGTCAGGGAGTC	315
Db	376	CTGTCCTGACCCCGTCAAGGCACCCGAGTGTCTCTTGCAAGAGTCAGGGAGTC	300
QY	361	GATATGAGGAGCAGTCATGCTGAAGCATGCTTAAGGCATGGCTGAGGAGTC	375
Db	436	GATATGAGGAGCAGTCATGCTGAAGCATGCTTAAGGCATGGCTGAGGAGTC	420
QY	421	ATTCGGTTGATGACTGGGAGTGGCTGCCCACCTCTCGACACATG	495
Db	496	ATTCGGTTGATGACTGGGAGTGGCTGCCCACCTCTCGACACATG	480
QY	481	GAGCTGGATGACAGTGTCTGTGACTCCACGGGACTCTGCTGAGGAGTC	555
Db	556	GAGCTGGATGACAGTGTCTGTGACTCCACGGGACTCTGCTGAGGAGTC	540
QY	541	CGGGCGACTACATGCCCTCAACCGAACGAAATGACGACACAGAAC	615
Db	616	CGGGCGACTACATGCCCTCAACCGAACGAAATGACGACACAGAAC	600
QY	601	AACCTGAAGCAARTGSCACCGTTAATCTGAACTACTATCCAGCATC	675
Db	676	AACCTGAAGCAARTGSCACCGTTAATCTGAACTACTATCCAGCATC	660
QY	661	TTCGAGTTTCTCTGAAATGACCAGTCAGGCCATTGAGATGACTCC	735
Db	736	TTCGAGTTTCTCTGAAATGACCAGTCAGGCCATTGAGATGACTCC	720
QY	721	AGAGCACAGAGAAAGATGGAAATTCACTGAGCTTAATGGGAAATGTC	795
Db	796	AGAGCACAGAGAAAGATGGAAATTCACTGAGCTTAATGGGAAATGTC	855
QY	781	CTCTATTTGAGAACACCAGCCATTCTCAGTAGGACCAAGTACCC	840
Db	856	CTCTATTTGAGAACACCAGCCATTCTCAGTAGGACCAAGTACCC	915
QY	841	AGAAACATTGCCATACAGGGGTGGCTTAATCTGAGAATCTCTCC	900
Db	916	AGAAACATTGCCATACAGGGGTGGCTTAATCTGAGAATCTCTCC	975
QY	901	ACGTATGCGAGCAAGGAGGGCTCCCTTCGCAACTTGGCCACACTCTT	975
Db	976	ACGTATGCGAGCAAGGAGGGCTCCCTTCGCAACTTGGCCACACTCTT	900
QY	961	NATAAAGGAGAACTCTCTGACCGAGTCAGGAGTCAGGAAAGATCT	1020
Db	1036	NATAAAGGAGAACTCTCTGACCGAGTCAGGAGTCAGGAAAGATCT	1140
QY	1021	TCTCTCTGAGTCAGTGTGCGGCCAGCTGCAAGACAAGATTTCTGCA	1095
Db	1096	TCTCTCTGAGTCAGTGTGCGGCCAGCTGCAAGACAAGATTTCTGCA	1080
QY	1096	TCTCTCTGAGTCAGTGTGCGGCCAGCTGCAAGACAAGATTTCTGCA	1155
QY	1081	TGGCATGCGAACGAGAGACACAATCTGACAGACAAGATTTCTGCA	1155
Db	2236	TGGCATGCGAACGAGAGACACAATCTGACAGACAAGATTTCTGCA	2295
QY	1141	GAGGACCTTGAGGGGCAGTGAAGCTGCTCTGTTGAAAGACCACTGCCCC	1200
Db	1216	GAGGACCTTGAGGGGCAGTGAAGCTGCTCTGTTGAAAGACCACTGCCCC	1275
QY	1201	TGACACCAAGGCTTCACACCAACACACACCTGCCCTGCCCTATGG	1260
Db	1276	TGCAACCCAGGGTTCTCAACACACACACCTGCCCTGCCCTATGG	1335
QY	1261	TACTCCATGGCTCAAGACTGTTGACCTCTCGCTAGTGGATC	1320
Db	1336	TACTCCATGGCTCAAGACTGTTGACCTCTCGCTAGTGGATC	1395
QY	1321	GAATACAAATGGGACACCTCTGCCACAAACAGTGAACACGCCCTCT	1380
Db	1396	GAATACAAATGGGACACCTCTGCCACAAACAGTGAACACGCCCTCT	1455
QY	1381	AACTTGAGTCAAGGCAGACAGCTGGAGGAGTGTGATCACATG	1440
Db	1456	AACTTGAGTCAAGGCAGACAGCTGGAGGAGTGTGATCACATG	1515
QY	1441	CCTGGACCTGAGACATGACTCTGAGTCTCTGAGTCTGAGCT	1500
Db	1516	GCTGGAGCCGTTGAGACATGACTCTGAGTCTGAGCT	1575
QY	1501	CCGCACTGCGGTGAGTCAGCAGACAGAGAAATAGAGTGGCCAGAACTACATTTGCTT	1560
Db	1576	CCGCACTGCGGTGAGTCAGCAGACAGAGAAATAGAGTGGCCAGAACTACATTTGCTT	1635
QY	1561	GAGACCTCTGTTGTTGACTGTGACTGTGAGCTACTCTGTTGTTGTCAGGATTTGACCT	1620
Db	1636	GAGACCTCTGTTGTTGACTGTGACTGTGAGCTACTCTGTTGTCAGGATTTGACCT	1695
QY	1621	AACACTCTCTGAGAGGGAGAAGGTTCAAGGCAACAGCCTTACCTACATG	1680
Db	1696	AACACTCTCTGAGAGGGAGAAGGTTCAAGGCAACAGCCTTACCTACATG	1755
QY	1681	GAGGAGACACTACCCAGCGCTTACCTGGCCCTTCCAGGACCACTTCACTGAGCA	1740
Db	1756	GAGGAGACACTACCCAGCGCTTACCTGGCCCTTCCAGGACCACTTCACTGAGCA	1815
QY	1741	ACGAGGAATGACCAATGACGATGACTCCAGGTGATGACTCC	1800
Db	1816	ACGAGGAATGACCAATGACGATGACTCCAGGTGATGACTCC	1875
QY	1801	ATGGGCTGGCCCTACTCTGGCTCCCTGGCCCTAGTGAAGCTCTGATGTC	1860
Db	1876	ATGGGCTGGCCCTACTCTGGCTCCCTGGATGTC	1935
QY	1861	TGACCCCTCTGRCCTGCTGTTACTATATGACCGAGATTCAGGAACTCTGCTC	1920
Db	1936	TGACCCCTCTGRCCTGCTGTTACTATATGACCGAGATTCAGGAACTCTGCTC	1995
QY	1921	CCCCCTAACATCTGAAAGCCACAGCTTGAAGGCTTATGGTGTGAGCTGT	1980
Db	1996	CCCCCTAACATCTGAAAGCCACAGCTTGAAGGCTTATGGTGTGAGCTGT	2055
QY	1981	GGTCAGGGACCAAGAACAGTCACCTCTGTCACAAATGATGTCACCT	2040
Db	2056	GGTCAGGGACCAAGAACAGTCACCTCTGTCACAAATGATGTCACCT	2115
QY	2041	CGCAACACTCCACCAAGGACTTTCACTACACTCTCGCTTGGCAACACCGTC	2100
Db	2116	CGCAACACTCCACCAAGGACTTTCACTACACTCTCGCTTGGCAACACCGTC	2175
QY	2101	CTTGCTGGAGGCCAACGTCACCTCTGTCACAAATGTCACCTTACCTC	2160
Db	2176	CTTGCTGGAGGCCAACGTCACCTCTGTCACAAATGTCACCTTACCTC	2235
QY	2161	AGTCTCTGAGGAGACACAATCTGACAGACAAGATTTCTGCA	2220
Db	2236	AGTCTCTGAGGAGACACAATCTGACAGACAAGATTTCTGCA	2295

Db	2296	CGSATCCTGAGGTGACTCAGGGTCTCCAACTATCACAGCTACTGCTGCCAGGC	2355
Qy	2281	GTCATCATCCCCAGGGTACAGGCTACAGGCTACAGGCTACAGGGGTTCTCACAGCCCTGTCAGC	2340
Db	2356	GTCATCATCCCCAGGGTACAGGCTACAGGCTACAGGGGTTCTCACAGGCCAGTCAGC	2415
Qy	2341	CCTGCTGATGACATATGGGTGACACACATACTGACTCTGATGGAATCACCTCCCA	2400
Db	2416	CTGCTGATGACATATGGGTGACACACATACTGACTCTGATGGAATCACCTCCCA	2475
Qy	2401	GCTGACTTTCACCTGGGATACCGGACGGATCTCTTATAGTCC	2460
Db	2476	GCTGACTTTCACCTGGGATACCGGACGGATCTCTTATAGTCC	2535
Qy	2461	AATGATGATGACCACTCTCAGTCTGGGAGATCACACCATCGGGTAGGTGAGCT	2520
Db	2536	AATGATGATGACCACTCTCAGTCTGGGAGATCACACCATCGGGTAGGTGAGCT	2595
Qy	2521	CCACAGAACATGTCCTGCTGAGTTTGCTGCTGAGGACAGTCAGTGGGAGCT	2580
Db	2596	CCACAGAACATGTCCTGCTGAGGACAGTCAGTGGGAGCT	2655
Qy	2581	GATGCGCTCAACTTCACTCTGTTGGAAAGGGGGCTTGCCAGGACGGCTGAGGACGCTG	2640
Db	2655	GATGCGCTCAACTTCACTCTGTTGGAAAGGGGGCTTGCCAGGACGGCTGAGGACGCTG	2715
Qy	2641	GCTGACTACATGCTACATGCTACAGTCTGGGAGATCACACTACCTACCTG	2700
Db	2771	GCTGACTACATGCTACATGCTACAGTCTGGGAGATCACACTACCTACCTG	2775
Qy	2770	TGGCGAGAACCCAACTATGCTCTGGGAGAGGGGCTTGCCGAGCTACCTACCTG	2760
Db	2776	TGNCGAGAACCCAACTATGCTCTGGGAGAGGGGCTTGCCGAGCTACCTACCTG	2835
Qy	2771	TGCAAAACCATAGATTCTGCTGAAGGGGACTCTGCAAGGAGACTACCTACCTG	2820
Db	2836	TGCAAAACCATAGATTCTGCTGAAGGGGACTCTGCAAGGAGACTACCTACCTG	2895
Qy	2821	CTGCTCACCGCTTGACCTGCTACTTTGAAAGAGACTCAAACACTAGAGTACAAGTAC	2880
Db	2896	CTGCTCACCGCTTGACCTGCTACTTTGAAAGAGACTCAAACACTAGAGTACAAGTAC	2955
Qy	2881	TCCAAGCTGGTGTGATGATGCTACTCTCAGGACTGTGACTCTGCCAGCTGACGTG	2940
Db	2956	TCCAAGCTGGTGTGATGATGCTACTCTCAGGACTGTGACTCTGCCAGCTGACGTG	3015
Qy	2941	GCCATCATGGAAGGGAGATCTAGAGGAGACTCATCTTACAGCAGAA-TCACIT	2999
Db	3016	GCCATCATGGAAGGGAGATCTAGAGGAGACTCATCTTACAGCAGAA-TCACIT	3075
Qy	3000	TTGGAGAATCAATCTTACCTGAGAGGACTCTGATGGATTACTCTGCG	3059
Db	3076	TTGGAGAATCAATCTTACCTGAGAGGACTCTGATGGATTACTCTGCG	3135
Qy	3060	CTGAGAGCATCTCAGGGGCCAGACATGGACCTGCTGAGGGACTGCCCTGACCT	3119
Db	3136	CTGAGAGCATCTCAGGGGCCAGACATGGACCTGCTGAGGGACTGCCCTGACCT	3195
Qy	3120	GCCTCTCACCTGATAGACCTCTGCAAGCCCTGGGAGTTGGTCCAGCATCTG	3255
Db	3196	GCCTCTCACCTGCAAGGCTGAGGGACTGCCCTGCCCACATACCCGGCTGACCTG	3239
Qy	3180	CAACACCACTCTGGAATCTCTCATGTTGGCTTATGAGTTCTGAGCTGAGCT	3239
Db	3256	CAACACCACTCTGGAATCTCTCATGTTGGCTTATGAGTTCTGAGCTGAGCT	3315
Qy	3240	TTTTTATAGACTTACCCAAACCCCTCTCTGCTGCTGCTGCTGCTGCAAAATACCC	3299
Db	3316	TTTTTATAGACTTACCCAAACCCCTCTCTGCTGCTGCTGCTGCAAAATACCC	3375
Qy	3300	ACATCTGTTGAAATTAAAAAAA 3334	1

Db	496	ATTGGGTTGTAGTGTGGGATGAGCTGTCGCCCATGGCCTTGCCGACAGCCACATG	QY	1501	CCGAGTTGGTATGCCAGACAGAAAGGTTGCGCAGATCACATTGTCCTT	QY
Db	481	GAGCTGGATGACAGTGTGCTGAGTGTGGGATGAGCTGTCGCCCATGGCCTTGCCGACAGCACTG	QY	1561	GAGACCTCTGTCCTGACTGACTGTGACTCTACTCATGTTGGGTGATGTTAGAC	Db
Db	556	GAGCTGGATGACAGTGTGCTGAGTGTGGGATGAGCTGTCGCCCATGGCCTTGCCGACAGCACTG	QY	1561	GAGACCTCTGTCCTGACTGACTGTGACTCTACTCATGTTGGGTGATGTTAGAC	Db
Db	556	GAGCTGGATGACAGTGTGCTGAGTGTGGGATGAGCTGTCGCCCATGGCCTTGCCGACAGCACTG	QY	1561	GAGACCTCTGTCCTGACTGACTGTGACTCTACTCATGTTGGGTGATGTTAGAC	Db
Db	541	CGGGGGACTACATCSCCTAACACGGGACATGACTGTCGCCCATGGCCTTGCCGACAGCACTG	QY	1621	AACACTCTGAGACGCGAAGGTTGCGAAGGTTGCGCAGATCTGAGTGTGAGCTG	Db
Db	616	CGGGGGACTACATCSCCTAACACGGGACATGACTGTCGCCCATGGCCTTGCCGACAGCACTG	QY	1621	AACACTCTGAGACGCGAAGGTTGCGAAGGTTGCGCAGATCTGAGTGTGAGCTG	Db
Db	601	AACCTGGAGCATCTGGCACACGGTAACTCGAATCTGAGCTGACTGTCGCCCATGGCCTTGCC	QY	1696	AACACTCTGAGACGCGAAGGTTGCGAAGGTTGCGCAGATCTGAGTGTGAGCTG	Db
Db	676	AACCTGGAGCATCTGGCACACGGTAACTCGAATCTGAGCTGACTGTCGCCCATGGCCTTGCC	QY	1696	AACACTCTGAGACGCGAAGGTTGCGAAGGTTGCGCAGATCTGAGTGTGAGCTG	Db
Db	661	TITGGAGTTTCTGCTCAGATGACCGAGTGTGACTCTGAGTAATCTGAGCTGACTCTGC	QY	1755	AACACTCTGAGACGCGAAGGTTGCGAAGGTTGCGCAGATCTGAGTGTGAGCTG	Db
Db	736	TTTGGAGTTTCTGCTCAGATGACCGAGTGTGACTCTGAGTAATCTGAGCTGACTCTGC	QY	1755	AACACTCTGAGACGCGAAGGTTGCGAAGGTTGCGCAGATCTGAGTGTGAGCTG	Db
Db	721	AAGGACACAGAGAAAGGATGGGATTCACAGCTGAGCTGACTCTGAGTAATCTGAGCTG	QY	1801	AATGGCCTGTCCTGTTGAGCTGACTCTGAGTAATCTGAGCTGAGCTG	Db
Db	796	AAGGACACAGAGAAAGGATGGGATTCACAGCTGAGCTGACTCTGAGTAATCTGAGCTG	QY	1801	AATGGCCTGTCCTGTTGAGCTGACTCTGAGTAATCTGAGCTGAGCTG	Db
Db	916	AACAAACATTGCGATAACAGGGGTGGCTACACTTCAGAATGCTTCCCCTGCAACCTG	QY	1876	AATGGCCTGTCCTGAGCTGAGCTGACTCTGAGTAATCTGAGCTG	Db
Db	901	ACGTATGGAGACAAAGGGCTCCCTCTTGAGCAACTTGCGCAGCAACTTTATCA	QY	1876	AATGGCCTGTCCTGAGCTGAGCTGACTCTGAGTAATCTGAGCTG	Db
Db	976	AGCTATGCGAGAACGAGGGCTCCCTCTTGAGCAACTTGCGCAGCAACTTTATCA	QY	1876	AATGGCCTGTCCTGAGCTGAGCTGACTCTGAGTAATCTGAGCTG	Db
Db	916	AACAAACATTGCGATAACAGGGGTGGCTACACTTCAGAATGCTTCCCCTGCAACCTG	QY	1876	AATGGCCTGTCCTGAGCTGAGCTGACTCTGAGTAATCTGAGCTG	Db
Db	955	CTCTATGGAGACACAGCTCTCAGTGTGAGCTGACTCTGAGTAATCTGAGCTG	QY	1876	AATGGCCTGTCCTGAGCTGAGCTGACTCTGAGTAATCTGAGCTG	Db
Db	855	CTCTATGGAGACACAGCTCTCAGTGTGAGCTGACTCTGAGTAATCTGAGCTG	QY	1876	AATGGCCTGTCCTGAGCTGAGCTGACTCTGAGTAATCTGAGCTG	Db
Db	841	AGAACACATTGCGATAACAGGGGTGGCTACACTTCAGAATGCTTCCCCTGCAACCTG	QY	1935	TGACCTCTGTCCTGTTACTATATGAGCTGAGTTGAGCTGAGCTG	Db
Db	916	AACAAACATTGCGATAACAGGGGTGGCTACACTTCAGAATGCTTCCCCTGCAACCTG	QY	1935	TGACCTCTGTCCTGTTACTATATGAGCTGAGCTGAGCTG	Db
Db	901	ACGTATGGAGACAAAGGGCTCCCTCTTGAGCAACTTGCGCAGCAACTTTATCA	QY	1935	TGACCTCTGTCCTGTTACTATATGAGCTGAGCTGAGCTG	Db
Db	976	AGCTATGCGAGAACGAGGGCTCCCTCTTGAGCAACTTGCGCAGCAACTTTATCA	QY	1935	TGACCTCTGTCCTGTTACTATATGAGCTGAGCTGAGCTG	Db
Db	961	ATAAAGGAGAACACTCTGCCCCACGGTGTGACAAATACTCTGAGAAAGGAT	QY	1935	TGACCTCTGTCCTGTTACTATATGAGCTGAGCTGAGCTG	Db
Db	1036	ATAAAGGAGAACACTCTGCCCCACGGTGTGACAAATACTCTGAGAAAGGAT	QY	1935	TGACCTCTGTCCTGTTACTATATGAGCTGAGCTGAGCTG	Db
Db	1021	TCTTCCTGTPACCTGGGCCAGGTTGAGCAACAGAACAGATTATTTCTACACACAGGGCC	QY	1935	TGACCTCTGTCCTGTTACTATATGAGCTGAGCTGAGCTG	Db
Db	1096	TCTTCCTGTPACCTGGGCCAGGTTGAGCAACAGAACAGATTATTTCTACACACAGGGCC	QY	1935	TGACCTCTGTCCTGTTACTATATGAGCTGAGCTGAGCTG	Db
Db	1096	TCTTCCTGTPACCTGGGCCAGGTTGAGCAACAGAACAGATTATTTCTACACACAGGGCC	QY	1935	TGACCTCTGTCCTGTTACTATATGAGCTGAGCTGAGCTG	Db
Db	1081	TGGATGCGAACCGAGAGACAACTCATGAGCAAATGGCCAACCGAAATATGTAGC	QY	2041	CGCACACCTCCACCGAGACTTCACCTACCTCTCCGTTGGCAACACGGTCACT	Db
Db	1156	TGGATGCGAACCGAGAGACAACTCATGAGCAAATATGTAGC	QY	2041	CGCACACCTCCACCGAGACTTCACCTACCTCTCCGTTGGCAACACGGTCACT	Db
Db	1156	TGGATGCGAACCGAGAGACAACTCATGAGCAAATATGTAGC	QY	2041	CGCACACCTCCACCGAGACTTCACCTACCTCTCCGTTGGCAACACGGTCACT	Db
Db	1141	GAAGCTTGGAGGGGAGTGTAGCTGCGCCCTGGGTGAAGACCCACTGCCAAC	QY	2041	CGCACACCTCCACCGAGACTTCACCTACCTCTCCGTTGGCAACACGGTCACT	Db
Db	1216	GAGGACCTGTAGGGGGCGAGTCGAGCTGCTGCTGTTGGTGAAGACCCACTGCCAAC	QY	2041	CGCACACCTCCACCGAGACTTCACCTACCTCTCCGTTGGCAACACGGTCACT	Db
Db	1201	TGCCACCCAGGGCTCTTCACAACACACACAGCACTGAGCTGAGCTGAGCTGAGCT	QY	2041	CGCACACCTCCACCGAGACTTCACCTACCTCTCCGTTGGCAACACGGTCACT	Db
Db	1275	TGCCACCCAGGGCTCTTCACAACACACACAGCACTGAGCTGAGCTGAGCTGAGCT	QY	2041	CGCACACCTCCACCGAGACTTCACCTACCTCTCCGTTGGCAACACGGTCACT	Db
Db	1276	TGCCACCCAGGGCTCTTCACAACACACACAGCACTGAGCTGAGCTGAGCTGAGCT	QY	2041	CGCACACCTCCACCGAGACTTCACCTACCTCTCCGTTGGCAACACGGTCACT	Db
Db	1260	TGCCACCCAGGGCTCTTCACAACACACACAGCACTGAGCTGAGCTGAGCTGAGCT	QY	2041	CGCACACCTCCACCGAGACTTCACCTACCTCTCCGTTGGCAACACGGTCACT	Db
Db	1261	TACTCCATGGCTCAGACTGTACCGCTCCCTCAGGGACTGACCTGCTGCTGGGATC	QY	2221	GGGATCTCTGGGGTAGTGTGGCTCTGGGATCTCAAACTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1335	TACTCCATGGCTCAGACTGTACCGCTCCCTCAGGGACTGACCTGCTGCTGGGATC	QY	2221	GGGATCTCTGGGGTAGTGTGGCTCTGGGATCTCAAACTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1336	TACTCCATGGCTCAGACTGTACCGCTCCCTCAGGGACTGACCTGCTGCTGGGATC	QY	2221	GGGATCTCTGGGGTAGTGTGGCTCTGGGATCTCAAACTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1381	AACTCTGACTACAGGGCATGACACGGCTGGGGTAGTGTGGCTCTGGGATCTCAAACT	QY	2281	GTCACTCATCCCCAGAGGTGAGGGTAGCAAGGCGGGTTCTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1455	AACTCTGACTACAGGGCATGACACGGCTGGGGTAGTGTGGCTCTGGGATCTCAAACT	QY	2281	GTCACTCATCCCCAGAGGTGAGGGTAGCAAGGCGGGTTCTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1321	GAATACAATGGTGAACACGGCTGGGGTAGTGTGGCTCTGGGATCTCAAACT	QY	2340	GTCATCATCCCCAGAGGTGAGGGTAGCAAGGCGGGTTCTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1395	GAATACAATGGTGAACACGGCTGGGGTAGTGTGGCTCTGGGATCTCAAACT	QY	2340	GTCATCATCCCCAGAGGTGAGGGTAGCAAGGCGGGTTCTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1396	GAATACAATGGTGAACACGGCTGGGGTAGTGTGGCTCTGGGATCTCAAACT	QY	2340	GTCATCATCCCCAGAGGTGAGGGTAGCAAGGCGGGTTCTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1380	GAATACAATGGTGAACACGGCTGGGGTAGTGTGGCTCTGGGATCTCAAACT	QY	2340	GTCATCATCCCCAGAGGTGAGGGTAGCAAGGCGGGTTCTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1320	GAATACAATGGTGAACACGGCTGGGGTAGTGTGGCTCTGGGATCTCAAACT	QY	2340	GTCATCATCCCCAGAGGTGAGGGTAGCAAGGCGGGTTCTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1440	GAATACAATGGTGAACACGGCTGGGGTAGTGTGGCTCTGGGATCTCAAACT	QY	2340	GTCATCATCCCCAGAGGTGAGGGTAGCAAGGCGGGTTCTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1441	GCTGAGGAGCTCAGACAAATGACTCTGATGACTCTGAGGTTGAGCT	QY	2476	CTGGCTGTCACCTGGACTCTGGGATCTCAAACTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1500	GCTGAGGAGCTCAGACAAATGACTCTGAGTGTGGGATCTCAAACT	QY	2476	CTGGCTGTCACCTGGACTCTGGGATCTCAAACTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1516	GCTGAGGAGCTCAGACAAATGACTCTGAGTGTGGGATCTCAAACT	QY	2476	CTGGCTGTCACCTGGACTCTGGGATCTCAAACTCTACAGCCCTAGGTGCGCAGGA	Db
Db	1575	GCTGAGGAGCTCAGACAAATGACTCTGAGTGTGGGATCTCAAACT	QY	2596	CTGGCTGTCACCTGGACTCTGGGATCTCAAACTCTACAGCCCTAGGTGCGCAGGA	Db

Qy	781	CCTATGGAGACGACAGCCCTCTCACTGAGTGGACCAAACTTACCGCTGTGGTG	840	Qy	1861	TGCACCTCTGTCTGCTGCTGTTACTATATTGACCGAGATCAGAACCTGCACTCCTGC	1920
Db	856	CTCTATGGAGACGACAGCCCTCTCACTGAGTGGACCAAACTTACCGCTGTGGTG	915	Db	1935	TGCACCTCTGTCTGCTGCTGTTACTATATTGACCGAGATCAGAACCTGCACTCCTGC	1995
Qy	841	AGAACATGGCCATAACAGGGGCTCATACTTCAGAAGTGTCCAAAGTACCTGGC	900	Qy	1921	CCCCCTAACACAATCTGAAGGCCACAGCCATTAGGTGTCAGGCTGTGGCTGT	1980
Db	916	ACAAAGATGGCCATAACAGGGGCTCATACTTCAGAAGTGTCCAAAGTACCTGGC	975	Db	1996	CCCCCTAACACAATCTGAAGGCCACAGCCATTAGGTGTCAGGCTGTGGCTGT	2055
Qy	901	ACGTAGTCAGACAGGGGCTCTTCTGCGCAACTTGGCCAGGCACTCTTATCA	960	Qy	1981	GTCAGGGACAGACAGAACAGATCCACTCTGCGCTACATGATGTTGGACCTCTCA	2040
Db	976	ACGTAGTCAGACAGGGGCTCTTCTGCGCAACTTGGCCAGGCACTCTTATCA	1035	Db	2056	GGTCAGGGACCAAGAACAGAACAGATCCACTCTGCGCTACATGATGTTGGACCTCTCA	2115
Qy	961	ATAAAGGAGAACTCTTGCCACCGAGCTGGACAAATACTCAGAGAAGGATCT	1020	Qy	2041	CGCACACTCCAAACAGGACTTCAACTCAACTCTCGCTTSSCAAACCCCTACT	2100
Db	1036	ATAAAGGAGAACTCTTGCCACCGAGCTGGACAAATACTCAGAGAAGGATCT	1095	Db	2116	CGCACACTCCAAACAGGACTTCAACTCAACTCTCGCTTGGCAAACCGGCACT	2175
Qy	1021	TCTTCCTGTAAGCTGGCCACGCTGACACAGAACAGATTTCTACACACAGGCC	1080	Qy	2101	CTTGCTGGGGCAASCTCACTTCAAAAGGTGAAATCTCATCTACATCTAC	2160
Db	1096	TCTTCCTGTAAGCTGGCCACGCTGACACAGAACAGATTTCTACACACAGGCC	1155	Db	2176	CTTGCTGGGGCAASCTCACTTCAAAAGGTGAAATCTCATCTACATCTAC	2235
Qy	1081	TGCGATGCCAACGGAGAGCACACTCATGCTACAAATGGCCAGGCCAAACTGTACC	1140	Qy	2161	AGTCCTGIGAACCCAGGTAGGAATGTGTGCGCACATGACTGACTGACCTC	2220
Db	1156	TGCGATGCCAACGGAGAGCACACTCATGCTACAAATGGCCAGGCCAAACTGTACC	1215	Db	2236	AGTCCTGIGAACCCAGGTAGGAATGTGTGCGCACATGACTGACTGACCTC	2295
Qy	1141	GNGACCTTGAGGGCCAGTGAAGCTGCTGCTGCTGTTGAAGAACCCACCC	1200	Qy	2221	CGGATCCCTGAGGGTAGTCAGGGTCTCCAAATCAGCTGCTGAGGCA	2280
Db	1216	GAGGACCTTGAGGGCCAGTGAAGCTGCTGCTGCTGTTGAAGAACCCACCC	1275	Db	2296	CGGATCCCTGAGGGTAGTCAGGTCTCCAAATCAGCTGCTGAGGCA	2355
Qy	1201	TGCAACCCAGGCTTCTCAAACCAACAAACAGAACGACCTGCCAGGCTGCCC	1260	Qy	2381	GTCACTCACCCCCCAGGGTACAGGCTACAGGGGTTCACAGGCGGGTTCCAC	2340
Db	1276	TGCAACCCAGGCTTCTCAAACCAACAAACAGAACGACCTGCCAGGCTGCCC	1335	Db	2356	GTCACTCACCCCCCAGGGTAGACAGGCTACAGGCGGGTTCCACAGGCGGGTTCCAC	2415
Qy	1261	TACTCCATGGCTCAGACTGCTACCCGCTGAGGACTAACCTGCTGTTGGGATT	1320	Qy	2341	CTTGCTGATGACCTATGGGTGACACAGATATGACTCTGATGGAATCACCTCC	2400
Db	1336	TACTCCATGGCTCAGACTGCTACCCGCTGAGGACTAACCTGCTGTTGGGATT	1395	Db	2416	CTTGCTGATGACCTATGGGTGACACAGATATGACTCTGATGGAATCACCTCC	2475
Qy	1321	GATACAATGGGACACGGCTGCCAACACTATGAAACGACCGTCTAGGGATC	1380	Qy	2401	GTCGACTTTCACCTGGAGTCAGGTCTCCAAATCAGCTGCTGAGGCA	2460
Db	1396	GATACAATGGGACACGGCTGCCAACACTATGAAACGACCGTCTAGGGATC	1455	Db	2476	GTCGACTTTCACCTGGAGTCAGGTCTCCAAATCAGCTGCTGAGGCA	2535
Qy	1381	AACCTGGACTAACAGGGCATGACGGCTGGAGSTGGTGTGATCACATTACAGCT	1440	Qy	2461	ATGATGTGACCTGCTGAGTCTGGGAGATACCCACATCGCGTCAGGGACT	2520
Db	1456	AACCTGGACTAACAGGGCATGACGGCTGGAGSTGGTGTGATCACATTACAGCT	1515	Db	2536	AATGATGTGACCTGCTGAGTCTGGGAGATACCCACATCGCGTCAGGGACT	2595
Qy	1441	GCTGGAGCTCAGACAACTGACTCATGATCTCACTCTGGTGTGCGAGATTAGACCT	1500	Qy	2521	CCACAGAAACGTCCTGAGTGTGGATACCGGACTGTGCTTGTGAGGCA	2580
Db	1516	GCTGAGCTCAGACAACTGACTCATGATCTCACTCTGGTGTGCGAGATTAGACCT	1575	Db	2596	CCACAGAAACGTCCTGAGTGTGGATACCGGACTGTGCTGCGAGAACGTCAGGGACT	2655
Qy	1501	CCGCACTGGTGTGAGTCAGACAGACAGAGATAAAGAGGTGGCAAGTCACATTGCTT	1560	Qy	2581	GATGGCTGCAACTTCACCTCTGCTGGAGAGCGCGGGCTCTGCTCACT	2640
Db	1576	CCGCACTGGTGTGAGTCAGACAGACAGAGATAAAGAGGTGGCAAGTCACATTGCTT	1635	Db	2656	GATGGCTGCAACTTCACCTCTGCTGGAGAGCGCGGGCTCTGCGCTCTGCTCACT	2715
Qy	1561	GAGACCCCTGTGTGTGACTCTGAGCTTCTGAGCTTCTGAGCTTCTGAGCTT	1620	Qy	2641	GTCGACTACATGCTATGCTGAGCTGCTGCTGGCTGGGGATCCAGAGACTACTACGT	2700
Db	1636	GAGACCCCTGTGTGTGACTCTGAGCTTCTGAGCTTCTGAGCTTCTGAGCTT	1695	Db	2716	GTCGACTACATGCTATGCTGAGCTGCTGCTGGCTGGGGATCCAGAGACTACTACGT	2775
Qy	1621	AAACACTCTGTGAGACGCTGAAAGGTCCAAGGCAACAGCTTCTATACCATGATT	1680	Qy	2701	TGGCAGAACCTGAGTATCTGCTGGGATTCTGCTGCTGAGAGTCACCC	2760
Db	1696	AAACACTCTGTGAGACGCTGAAAGGTCCAAGGCAACAGCTTCTATACCATGATT	1755	Db	2776	TGNCGAGAACCAAGTATCTCTGCTGGGATCTGCTGAGAGACT	2835
Qy	1681	GAGGAAGACTACCGACGCTTACCTTCACTGAGCTTCTGAGCTTCTGAGCTT	1740	Qy	2761	TGCAAAACCATGAGTATCTGCTGGGATTCTGCTGCTGAGAGTCACCC	2820
Db	1756	GAGGAAGACTACCGACGCTTACCTTCACTGAGCTTCTGAGCTTCTGAGCTT	1815	Db	2836	TGCAAAACCATGAGTATCTGCTGGGATTCTGCTGCTGAGAGTCACCC	2895
Qy	1741	AGCAGGAAGTACCCAATGAGCTGCGTCAAGATCTACATGCTACCAATGTG	1800	Qy	2821	CTGCTACCCCTGACTCTGAGTATCTGCTGGGATTCTGCTGCTGAGAGTCACCC	2880
Db	1816	AGCAGGAAGTACCCAATGAGCTGCGTCAAGATCTACATGCTACCAATGTG	1875	Db	2896	CTGCTACCCCTGACTCTGAGTATCTGCTGGGATTCTGCTGCTGAGAGTCACCC	2955
Qy	1801	ATGGCGTGGCCCTACTGCGCCCTGCGCTAGAGCTCTGATGTTGGCTCTCC	1860	Qy	2881	TCCACCTGCTGACTCTGAGTATCTGCTGGGATTCTGCTGCTGAGAGTCACCC	2940
Db	1876	ATGGCGTGGCCCTACTGCGCCCTGCGCTAGAGCTCTGATGTTGGCTCTCC	1935	Db	2956	TCCACCTGCTGACTCTGAGTATCTGCTGGGATTCTGCTGCTGAGAGTCACCC	3015
Qy	2941	GCCATCATGGAAAGGGAGGAGTAGAGGAGACCTCATCTTACCAAGAA-TCACTC	2999				

Qy	1141	GGAGGACCTGAGGGCCAGTGAAGGCTGCCCTGGGTGAAAGAACCCACTGCCACCC	1200	Qy	2221	CGGATTCCTGAGGGTGAATCAGGGTCTCAAATCATCACGCCCTACGGCTTGCCAGGA	2280
Db	1216	GGGGACTCTGAGGGGCCAGTGAAGGCTGCCCTGGGTGAAAGAACCCACTGCCACCC	1275	Db	2296	CGGATTCTGAGGGTGAATCAGGGTCTCAAATCATCACGCCCTACGGCTTGCCAGGA	2355
Qy	1201	TGCAACCCAGGCCTCTTCAAACACACACAGCCTGAGCTGCCCTGCCAGGCTTGCC	1260	Qy	2281	GTCATCATCCCCAGGGTGAAGGCTACAAGGCCCTGAGGCTACAGGGGGTTTCTCACAGGCCCTACGGCTTGCCAGGA	2340
Db	1276	TGCAACCCAGGCCTCTTCAAACACACACAGCCTGAGCTGCCCTGCCAGGCTTGCC	1335	Db	2356	GTCATCATCCCCAGGGTGAAGGCTACAAGGCCCTGAGGCTACAGGGGGTTTCTCACAGGCCCTACGGCTTGCCAGGA	2415
Qy	1261	TACCTCGAATGGCTCAGACTGAGCTGAGCTGCCCTGCCAGGACTTGACCTGGT	1320	Qy	2341	CITGCTGATCGACTTAATGGGTGACACAGATANGACTCTGGATGGAAACACCTCCCA	2400
Db	1336	TACCTCGAATGGCTCAGACTGAGCTGAGCTGCCCTGCCAGGACTTGACCTGGT	1395	Db	2416	CTTGCTGATCGACTTAATGGGTGACACAGATANGACTCTGGATGGAAACACCTCCCA	2475
Qy	1321	GATAACAAATGGTGAACACGCTGCCACAAACATGGAAACGCGCTCTCATGGATC	1380	Qy	2401	GCTGAACTTTCCACCTGGACTCCCTGGGATACCGGACCTCTCATTTAGGCC	2460
Db	1396	GATAACAAATGGTGAACACGCTGCCACAAACATGGAAACGCGCTCTCATGGATC	1455	Db	2476	GCTGAACTTTCCACCTGGACTCCCTGGGATACCGGACCTCTCATTTAGGCC	2535
Qy	1381	AACCTCGACTACAGGGATGAGCTGCCCTGGAGGGTGTGATCACATTACACAGCT	1440	Qy	2461	AATGAGTGTGACCTATTTGAGGTTGACAGATGAGCTTGAGGATTTACACAGCT	2520
Db	1456	AACCTCGACTACAGGGATGAGCTGCCCTGGAGGGTGTGATCACATTACACAGCT	1515	Db	2536	AATGAGTGTGACCTATTTGAGGTTGACAGATGAGCTTGAGGATTTACACAGCT	2595
Qy	1441	GCTGGAGCCTCAGAACATGACTCTCATGATTCCTCATGTTCTCAGTCTGGT	1500	Qy	2521	CCACAGAAAATGTGCTCTGGAGATGCTGCCAGAACACCACATCGCGCTAGGTGAGT	2580
Db	1516	GCTGGAGCCTCAGAACATGACTCTCATGTTCTCAGTCTGGT	1575	Db	2596	CCACAGAAAATGTGCTCTGGAGATGCTGCCAGAACACCACATCGCGCTAGGTGAGT	2655
Qy	1501	CCCGAGTGGTGTGGCAGACAGACAGAATAAGAGSTGGCCAGAACATCATTGCTT	1560	Qy	2581	GATGGCTGCACTTCCACTTCTCTGGGAGAGCGCGCTCTGGCCCTCTGCTCAGT	2640
Db	1576	CCCGAGTGGTGTGGCAGACAGACAGAATAAGAGSTGGCCAGAACATCATTGCTT	1635	Db	2656	GATGGCTGCACTTCCACTTCTCTGGGAGAGCGCGCTCTGGCCCTCTGCTCAGT	2715
Qy	1561	GACACCCCTGTGTTCTGAACTCTGAGCTGAGCTCTACTTCATGGGGGTTGAGT	1620	Qy	2641	GCTGACTACATGCTATCTCCTCAGCAGCTGCTGAGCTGCTGCTGAGT	2700
Db	1636	GACACCCCTGTGTTCTGAACTCTGAGCTGAGCTGCTACTTCATGGGGGTTGAGT	1695	Db	2716	GCTGACTACATGCTATCTCCTCAGCAGCTGCTGAGCTGCTGCTGAGT	2775
Qy	1621	AACACTCTGTGGAGAGTGTGAGAAGGTTCAGAACAGCTTCTGAGT	1680	Qy	2701	TGGCAGAACCCAAGCTGCTGAGCTGCTGAGCTGCTGAGCTGAGT	2760
Db	1696	AACACTCTGTGGAGACGTGGAAAGGTTCAGAACAGCTTCTGAGT	1755	Db	2776	TGNCAGAACCCAGCTATGCTCTGGGCAATGCTGAGCAGAGT	2835
Qy	1681	GAGGAGAACACTAACAGAGCTTACCTGGCCCTCAGAGGACACTTTCTAGAGCA	1740	Qy	2761	TGCAAAACCATACATTCTGCTGAAGCTGGGATCTCTGAGGACCTGTGACTGCCAT	2820
Db	1756	GAGGAGAACACTAACAGAGCTTACCTGGCCCTCAGAGGACACTTTCTAGAGCA	1815	Db	2836	TGCAAAACCATACATTCTGCTGAAGCTGGGATCTCTGAGGACCTGTGACTGCCAT	2895
Qy	1741	AGCAGGAAGTACACCATGAGCTGTCAGATCTCCTCATCAATGCTACAGT	1800	Qy	2821	CTGGTACCGCTGCTGACTCTGCTGAGCTGCTGAGCTGCTGAGCTGAGCTG	2880
Db	1816	AGCAGGAAGTACACCATGAGCTGTCAGATCTCCTCATCAATGCTACAGT	1875	Db	2896	CTGCTCACCGCTGCTGACTCTGCTGACTCTGCTGAGCTGCTGAGCTGAGCTG	2955
Qy	1801	ATGGGTTGGCTCTACTGGCGTCCCTGAGCTCTGAGTGTGGCTCCRC	1860	Qy	2881	TCCAGCTGGTGTGAATGCTACTCTGCTGAGCTGCTGAGCTGCTGAGCTG	2940
Db	1876	ATGGGTTGGCTCTACTGGCGTCCCTGAGCTCTGAGCTGCTGAGCTGCTGAGCTG	1935	Db	2956	TCCAAGCTGGTGTGAATGCTACTCTGCTGAGCTGCTGAGCTGCTGAGCTG	3015
Qy	1861	TGCACTCTGTGCTGCTGTTACTATGAGCTGAGGAGATCAGGAACTAGTACAGT	1920	Qy	2941	GCATCATGGAGGGAGGAGTAGAGGACACCTCTTACAGCAAGAA-TCACTC	2999
Db	1936	TGCACTCTGTGCTGTTACTATGAGCTGAGGAGATCAGGAACTGCTGAGCTG	1995	Db	3016	GCACATCATGGAGGGAGGAGTAGAGGACACCTCTTACAGCAAGAA-TCACTC	3075
Qy	1921	CCCTCTAACACAAATCTGAAAGGCCAACGCCCTATGGTGTGAGGCTGTGCCC	1980	Qy	3000	TITGGGAGATCAATCTTACCTCCAGGACCTCTTACAGCAAGAA-TCACTC	3059
Db	1996	CCCTCTAACACAAATCTGAAAGGCCAACGCCCTATGGTGTGAGGCTGTGCCC	2055	Db	3076	TITGGGAGATCAATCTTACCTCCAGGAGACCTCTTACAGCAAGAA-TCACTC	3135
Qy	1981	GGTCAGGAGGACAGAACACAGATCCACTCTGTGCTCTACATGATGCTGCC	2040	Qy	3060	CYGAACACATCTCAGGAGGCCAGCATGGACCTGTGAGGGACTGTGCTGCC	3119
Db	2056	GGTCAGGAGGACAGAACACAGATCCACTCTGTGCTCTACATGATGCTGCC	2115	Db	3136	CYGAACACATCTCAGGAGGCCAGCATGGACCTGTGAGGGACTGTGCTGCC	3195
Qy	2041	CGCACACACTAACAGAGCTTCAACTCTGCTCTACATGATGCTGCC	2100	Qy	3120	SCTCTCACCTGAGGAGCTTCAAGGAGCTTCAAGGAGCTTCAAGGAGCTTCA	3179
Db	2116	CGCACACACTAACAGAGCTTCAACTCTGCTCTACATGATGCTGCC	2175	Db	3196	GCCTCTCACCTGAGGAGCTTCAAGGAGCTTCAAGGAGCTTCAAGGAGCTT	3255
Qy	2101	CTCTCTGGAGGGCCAAAGCTTCAACTCTGCTCTACATGATGCTGCC	2160	Qy	3180	CAACACACTGCTGAGAATCTCTGAGGACTTCAAGGAGCTTCAAGGAGCTT	3239
Db	2176	CTCTCTGGAGGGCCAAAGCTTCAACTCTGCTCTACATGATGCTGCC	2235	Db	3256	CAACACACTGCTGAGAATCTCTGAGGACTTCAAGGAGCTTCAAGGAGCTT	3375
Qy	2161	AGTCCTGAGGAAACCCAGGTTAGGAAATGCTGCTGAGGAAACGCTC	2220	Qy	3240	TITTTATAGAGTACCCAAACCTCTCTGCTGAGGAAACGCTC	3299
Db	2236	AGTCCTGAGGAAACCCAGGTTAGGAAATGCTGCTGAGGAAACGCTC	2295	Db	3316	TITTTATAGAGTACCCAAACCTCTCTGCTGAGGAAACGCTC	3375
Qy				Qy	3300	ACACTTGTGTTAA'AAAAAA'AAAAAA'AAAAAA'AAAAAA'AAAAAA'	3334

Db 3376 |||||||ACATTTTTTAAACAAAAAAACAAAAA 3410

RESULT 12
US-10-140-002-37
Sequence 37, Application US10140002
Publication No. US20030031623A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Jiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
FEATURE: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330RKC59
CURRENT FILING DATE: 2002-05-06
PRIOR Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 37
LENGTH: 3501
TYPE: DNA
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: unsure
LOCATION: 2762, 2778
OTHER INFORMATION: unknown base
US-10-140-002-37
Query Match 99 1%; Score 3303.4; DB 9; Length 3501;
Best Local Similarity 99 6%; Pred. No: 0;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;
QY 1 GCAGAGACGACGGCACACCGTCACTTGCCGCTCTCTCAGACAAAGCTATG 60
Db 76 GCAGAGACGACGGCACACCGTCACTTGCCGCTCTCTCAGACAAAGCTATG 135
Qy 61 GCTGAGCTCTGGCACAGCCACCATCTCGCAGAGTCAGACTGAGGGGC 120
Db 136 GCTGAGCTCTGGCACAGCCACCATCTCGCAGAGTCAGACTGAGGGGC 195
Qy 121 ATACCCGGCTGTGGGGCTGCTCTGGCTGGACGCCCTCCAGTGACCCAGGA 180
Db 196 ATACCCGGCTGTGGGGCTGCTCTGGCTGGACGCCCTCCAGTGACCCAGGA 255
Qy 181 AGGGACCGGAGCTCACGCCCTCAAGAGTCAGTACCACTATGAGTACAGGGGT 240
Db 256 AGGGACCGGAGCTCACGCCCTCAAGAGTCAGTACCACTATGAGTACAGGGGT 315
Db 241 GACACGACGGTTCAGGGAGGATGCCGATACCCGGGCTGRCACCGAC 300
Db 316 GACACGACGGTTCAGGGAGGATGCCGATACCCGGGCTGRCACCGAC 375
Db 436 GATATGAAGGACAGTCATGTAAGGCCATGCCCTGAGGGCCTACTCCCGGCACAGGC 495
Qy 421 ATTGGGTTGATGAGTGGATGAGTCAGCTGCCCATGGCTTGGCCAGCAACATG 480
Db 496 ATTCGGTTGATGAGTGGATGAGTCAGCTGCCCATGGCTTGGCCAGCAACATG 555
Db 481 GAGCTGGATGACAGTGTCTGAGTGGCTCACCGGAAGCTGTACTTCGGCAAGTGGGTCCC 540
Qy 556 GAGCTGGATGACAGTGTCTGAGTGGCTCACCGGAAGCTGTACTTCGGCAAGTGGGTCCC 615
Db 541 CGGGCAGACTACATCGCTCACACAGGAGGAATGAGCACGACACTGAGTACGGCGTC 600
Db 616 CGGGCAGACTACATCGCTCACACAGGAGGAATGAGCACGACACTGAGTACGGCGTC 675
Db 601 AACCTGAGGAATCTGCCACCGTAACTTCGATACTACTATCCAGACTCAGCATC 660
Db 676 AACCTGAGGAATCTGCCACCGTAACTTCGATACTACTATCCAGACTCAGCATC 735
Db 661 TTGAGTTTGTCTGAGATGACCACTGAGACTGACTTCAGTTGAGT 720
Db 736 TTGAGTTTGTCTGAGATGACCACTGAGACTGACTTCAGTTGAGT 795
Qy 721 AAGACCAGAGAAGGATGGAAATCCACAGTGTGGAGCTAATGGAGCAATATGTC 780
Db 796 AAGACCAGAGAAGGATGGAAATCCACAGTGTGGAGCTAATGGAGCAATATGTC 855
Qy 781 CTCATATGGAGACACGACGCTCTCAGTATGAGCAAACTGACCCAGGCTGTG 840
Db 856 CTCTATGGAGACACGACGCTCTCAGTATGAGCAAACTGACCCAGGCTGTG 915
Qy 841 AGAACATTGCCATAACAGGCTCTCTCTGAGCAACTTGCCAGGCAACTTATCA 900
Db 916 AGAACATTGCCATAACAGGCTCTCTGAGCAAACTGACCCAGGCTGTG 975
Qy 901 ACATATGGAGACAGCAGGCTCTCTCTGAGCAACTTGCCAGGCAACTTATCA 960
Db 976 ACATATGGAGACAGCAGGCTCTCTCTGAGCAACTTGCCAGGCAACTTATCA 1035
Qy 961 ATTAAGGAGAAACTCTTGACCACTGTGACCCAGCTGAGCAAACTCTGAG 1020
Db 1036 ATTAAGGAGAAACTCTTGACCACTGTGAGCTGACCAAACTCTGAG 1095
Qy 1021 TCCTCCGTACTGTGCCAGCTTGACAGAGCAAACTCTGAGCAAACTCTGAG 1080
Db 1096 TCTTCCGTAACTGTGCCAGCTTGACAGAGCAAACTCTGAGCAAACTCTGAG 1155
Qy 1081 TGGATGCCAGGAGAGACAACACTGAGTACAAATGGCAAGGCCAAACTCTGAG 1140
Db 1156 TGGATGCCAGGAGAGACAACACTGAGTACAAATGGCAAGGCCAAACTCTGAG 1215
Qy 1141 GAGGACCTTGAGGGGGAGTGAAGTCGTCCTGCTCTCGTGAAGACGCCACTGCCACCC 1200
Db 1216 GAGGACCTTGAGGGGGAGTGAAGTCGTCCTGCTCTCGTGAAGACGCCACTGCCACCC 1275
Qy 1201 TGCACCCGGCTCTCAAAACCAACACAGCACCTTGCAAGCCCTGCCATATGTTTC 1260
Db 1276 TGCACCCGGCTCTCAAAACCAACACAGCACCTTGCAAGCCCTGCCATATGTTTC 1335
Qy 1281 TACTCCAATGGCTCAGACTGTACCCGCTGCCCTGCGAGGGCTGAACTGCTGTTG 1320
Db 1336 TACTCCAATGGCTCAGACTGTACCCGCTGCCCTGCGAGGGCTGAACTGCTGTTG 1395
Db 1261 GAAATCAAATGGTGGACACGCTGCGCCACAACTGAGAAGGACCGTCTGAGTGGATC 1300
Db 1396 GAAATCAAATGGTGGACACGCTGCGCCACAACTGAGAAGGACCGTCTGAGTGGATC 1455
Qy 1381 AACCTCAGTACAGGCGATGAGCACGCTGCGCCACAACTGAGAAGGACCGTCTGAGTGGATC 1440
Db 1456 AACCTCAGTACAGGCGATGAGCACGCTGCGCCACAACTGAGAAGGACCGTCTGAGTGGATC 1515
Qy 1441 GCTGGAGCTCAGACAACTGACTCATGATCTCACTCTGTTGTCAGGATTAGACCT 1500
Db 1516 GCTGGAGCTCAGACAACTGACTCATGATCTCACTCTGTTGTCAGGATTAGACCT 1575

QY	1501	CCGCACTGGGATGGCAGACAGAGATAAAGAGGTGCCAGAACATCACATTGTCIT	1560
Db	1576	CCGCACTGGCAGACAGAGATAAAGAGGTGCCAGAACATCACATTGTCIT	1635
QY	1561	GAGACCCCTCTGTTCTGTAACGTGAGCTCTACTCTCATGTTGGTGTGATTCAGAAC	1620
Db	1636	GAGACCCCTCTGTTCTGTAACGTGAGCTCTACTCTCATGTTGGTGTGATTCAGAAC	1695
Db	1621	AACACTCTGTGAGAGGTGAAAGGTTCAAGGCACAGCTTACATCATTGACAT	1680
QY	1696	AACACTCTGTGAGAGGTGAAAGGTTCAAGGCACAGCTTACATCATTGACAT	1755
Db	1681	GAGGAGAACACTACACAGGAGCTCACCTGGCCTCCAGAGGACACTTTCATGAGCA	1740
Db	1756	GAGGAGAACACTACACAGGAGCTCACCTGGCCTCCAGAGGACACTTTCATGAGCA	1815
QY	1741	ACCGAGAGTAGACCAATGACGTGCAAGATCTACTCCATCATGTCACCAATGAT	1800
Db	1816	ACGAGGAAGTACACAAATGACGTGCAAGATCTACTCCATCATGTCACCAATGAT	1875
Db	1801	AATGGGTTGCCCCCTACTGGCTCCCTTGCCCTAGAGCCCTGTGAGCTCTGAGG	1860
QY	1876	AATGGGTTGCCCCCTACTGGCTCCCTTGCCCTAGAGCCCTGTGAGGCTCTCCTC	1935
QY	1861	TGCAACCTCTGTCTCTGTGTACTATATGACCGAGATCAGAACCTGCACTCCNG	1920
Db	1936	TGCAACCTCTGTCTCTGTGTACTATATGACCGAGATCAGAACCTGCACTCCNG	1995
QY	1921	CCCCCTRACACATTCTGAAGGCCACCCAGCTTATGGTTCAGGCTGTGCCCCCTG	1980
Db	1996	CCCCCTRACACATTCTGAAGGCCACCCAGCTTATGGTTCAGGCTGTGCCCCCTG	2055
QY	1981	GTCACAGGGACCAAGAACACAGATCCCTCTGTTGACATGATGTTGACCTTCGA	2040
Db	2056	GTCACAGGGACCAAGAACACAGATCCCTCTGTTGACATGATGTTGACCTTCGA	2115
QY	2041	CGCAACACTCCACCAAGGACTTCAACTACAATTCTCAGCTTGGAAACACGGTCA	2100
Db	2116	CGCAACACTCCACCAAGGACTTCAACTACAATTCTCAGCTTGGAAACACGGTCA	2175
QY	2101	CTTGCTGAGGGCCACGCTTCACTTCAAAGGTGAATACTTCCATCTCAGCTTAC	2160
Db	2176	CTTGCTGAGGGCCACGCTTCACTTCAAAGGTGAATACTTCCATCTCAGCTTAC	2235
QY	2161	AGTCCTCTGGAAACAGGGTAGGAATTGCTGTGACGACATGTCAGTGCCTC	2220
Db	2236	AGTCCTCTGGAAACAGGGTAGGAATTGCTGTGACGACATGTCAGTGCCTC	2295
QY	2221	CGGATTCCTGAGGGTAGTCAGGGTCTCAAATCTATCACAGCCTACGCCAGGCA	2280
Db	2296	CGGATTCCTGAGGGTAGTCAGGGTCTCAAATCTATCACAGCCTACGCCAGGCA	2355
QY	2281	GTCACTATCCCCCAAGGGTAGACGCTACAAGGGGGGTTCCTCACACGCTGICAGC	2340
Db	2356	GTCACTATCCCCCAAGGGTAGACGCTACAAGGGGGGTTCCTCACACGCTGICAGC	2415
QY	2341	CTTGCTGATCGACTTATGGGTGACACAGATATGACTCTGTGATGGAAATCACCTCCC	2400
Db	2416	CTTGCTGATCGACTTATGGGTGACACAGATATGACTCTGTGATGGAAATCACCTCCC	2475
QY	2401	GCTGAACTTTCACCMGGAGTCCTGGAAATACCGGACGTCATCTCTTATAGTGT	2460
Db	2476	GCTGAACTTTCACCTGGAGTCCTGGAAATACCGGACGTCATCTCTTATAGTGT	2535
QY	2461	ATGACGTGACCTCTGGTGCACACAGATATGACTCTGTGATGGAAATCACCTCCC	2520
Db	2536	ATGACGTGACCTCTGGTGCACACAGATATGACTCTGTGATGGAAATCACCTCCC	2595
QY	2521	CCACAGAAACTGTCCTGGAGTTGCTGTCAGGTGCTGAGGACCTGTCAGGTGACT	2580
Db	2596	CCACAGAAACTGTCCTGGAGTTGCTGTCAGGTGCTGAGGACCTGTCAGGTGACT	2655
RESULT 13			
US-01-925-299-209			
Sequence 209 Application US/09925299			
Publication No. US20030040617A9			
GENERAL INFORMATION:			
APPLICANT: Rosen et al.			
TITLE OF INVENTION: Nucleic Acids, Proteins and			
FILE REFERENCE: PA102			
CURRENT APPLICATION NUMBER: US/09/925,299			
CURRENT FILING DATE: 2001-08-10			
PRIOR APPLICATION NUMBER: PCT/US00/05883			
PRIOR FILING DATE: 2000-03-08			
PRIOR APPLICATION NUMBER: 60/144,270			
PRIOR FILING DATE: 1999-03-12			
NUMBER OF SEQ ID NOS: 1556			
SOFTWARE: PatentIn Ver. 2.0			
SEQ ID NO 209			
LENGTH: 625			
TYPE: DNA			

FEATURE: ;
 NAME/KEY: misc_feature
 LOCATION: (1)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (10)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (25)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (26)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (600)
 OTHER INFORMATION: n equals a,t,g, or c
 US-09-925-299-209

Query Match 16.5%; Score 551; DB 9; Length 625;
 Best Local Similarity 97.1%; Pred. No. 1.2e-153; Matches 596; Conservative 5; Mismatches 8; Indels 5; Gaps 4;
 OTHER INFORMATION: n equals a,t,g, or c

Qy 2050 CCAACCTCAGGTTTCACTACACTACACTTCCTCGCTT-GGCACAAACCCGTACTCTTGCTGG 2108
 Db 15 CCAACCTCAGGTTTCACTACACTACACTTCCTCGCTT-GGCACAAACCCGTACTCTTGCTGG 74

Qy 2109 AGGGCCAGGTTCACTCCAAAGGGTTGAATACTTCATCATTTACCTCTGCTCTG 2168
 Db 75 AGG--CAAGCTCA-TTCCAAAGGGTTGAATACTTCATCATTTACCTCTGCTCTG 131

Qy 2169 TGGAAACCCAGGGTTAGGAATAATGCTGCTGTCAGCCACAATGTCAGTCAGTCAGCTCGATCC 2228
 Db 132 TGGAAACCCAGGGTTAGGAATAATGCTGCTGTCAGCCACAATGTCAGTCAGTCAGCTCGATCC 191

Qy 2229 TGGGGGAGGTTCACTCCAAACTATCACAGCTTACGCTTCTCCAGGAGTCATCAT 2288
 Db 192 TGGGGGAGGTTCACTCCAAACTATCACAGCTTACGCTTCTCCAGGAGTCATCAT 251

Qy 2289 CCCCGAGGGTACAGGCTTCAASGCCGSGGGTTCTCACAGGCTGTCAGCTGCTGA 2348
 Db 252 CCCCGAGGGTACAGGCTGTCAGCTGTCAGCTGTCAGCTGTCAGCTGTCAGCTGICA 311

Qy 2349 TGGACTTATGGGTGACAGATGACTCTGGATGGATCACCTCCAGCTGA 2408
 Db 312 TGGACTTATGGGTGACAGATGACTCTGGATGGATCACCTCCAGCTGA 371

Qy 2409 TTTCACCTGGTCTGGATACCGAGCTGATCTCCTTATAGGCCAATGATG 2468
 Db 372 TTTCACCTGGTCTGGATACCGAGCTGATCTCCTTATAGGCCAATGATG 431

Qy 2469 GACCCAGTCCTCAGTCTGGAGATCACCACTCCGGCTAGSTGCACTCCAGAA 2528
 Db 432 GACCCAGTCCTCAGTCTGGAGATCACCACTCCGGCTAGSTGCACTCCAGAA 491

Qy 2529 ACTGTGCTCTGAGATTGCTGCTGCTGAGCTCAATGGACCTCTGAGGGCTG 2588
 Db 492 ACTGTGCTCTGAGATTGCTGCTGAGGAGCTGCTCAGAGGAMCTGATGGCTG 51

Qy 2589 CAACTTCACTTCTGGAGAGAGCGGGCTCTGCCGCTCTGGTCACTGGCTGACTA 2648
 Db 552 CAACTTCACTTCTGGAGAAAMG-SGSTSSTSCCGCTCTGTCATGGCTGACTA 610

Qy 2649 CCACTGCTATCGTCA 2662
 Db 611 CCACTGCTATCGTCA 624

RESULT 14
 US 09-925-299-209
 Sequence 209 Application US/09925299
 ; Patent No. US2002005627A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.

FEATURE: ;
 TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 FILE REFERENCE: PA102
 CURRENT APPLICATION NUMBER: US/09/925,299
 CURRENT FILING DATE: 2001-08-10
 PRIOR APPLICATION NUMBER: PCT/US00/05883
 PRIOR FILING DATE: 2000-03-08
 NUMBER OR SEQ ID NOS: 1556
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 209
 LENGTH: 625
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (10)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (25)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (26)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (600)
 OTHER INFORMATION: n equals a,t,g, or c
 US-09-925-299-209

Query Match 16.5%; Score 551; DB 10; Length 625;
 Best Local Similarity 97.1%; Pred. No. 1.2e-153; Matches 596; Conservative 5; Mismatches 8; Indels 5; Gaps 4;
 OTHER INFORMATION: n equals a,t,g, or c

Qy 2050 CCAACCTCAGGTTTCACTACACTACACTTCCTCGCTT-GGCACAAACCCGTACTCTTGCTGG 2108
 Db 15 CCAACCTCAGGTTTCACTACACTACACTTCCTCGCTT-GGCACAAACCCGTACTCTTGCTGG 74

Qy 2109 AGGGCCAGGTTCACTCCAAAGGGTTGAATACTTCATCATTTACCTCTGCTCTG 2168
 Db 75 AGG--CAAGCTCA-TTCCAAAGGGTTGAATACTTCATCATTTACCTCTGCTCTG 131

Qy 2169 TGGAAACCCAGGGTTAGGAATAATGCTGCTGTCAGCCACAATGTCAGTCAGTCAGCTCGATCC 2228
 Db 132 TGGAAACCCAGGGTTAGGAATAATGCTGCTGTCAGCCACAATGTCAGTCAGTCAGCTCGATCC 191

Qy 2229 TGGGGGAGGTTCACTCCAAACTATCACAGCTTACGCTTCTCCAGGAGTCATCAT 2288
 Db 192 TGGGGGAGGTTCACTCCAAACTATCACAGCTTACGCTTCTCCAGGAGTCATCAT 251

Qy 2289 CCCCGAGGGTACAGGCTTCAASGCCGSGGGTTCTCACAGGCTGTCAGCTGCTGA 2348
 Db 252 CCCCGAGGGTACAGGCTGTCAGCTGTCAGCTGTCAGCTGTCAGCTGICA 311

Qy 2349 TGGACTTATGGGTGACAGATGACTCTGGATGGATCACCTCCAGCTGA 2408
 Db 312 TGGACTTATGGGTGACAGATGACTCTGGATGGATCACCTCCAGCTGA 371

Qy 2409 TTTCACCTGGTCTGGATACCGAGCTGATCTCCTTATAGGCCAATGATG 2468
 Db 372 TTTCACCTGGTCTGGATACCGAGCTGATCTCCTTATAGGCCAATGATG 431

Qy 2469 GACCCAGTCCTCAGTCTGGAGATCACCACTCCGGCTAGSTGCACTCCAGAA 2528
 Db 432 GACCCAGTCCTCAGTCTGGAGATCACCACTCCGGCTAGSTGCACTCCAGAA 491

Qy 2529 ACTGTGCTCTGAGATTGCTGCTGCTGAGCTCAATGGACCTCTGAGGGCTG 2588
 Db 492 ACTGTGCTCTGAGATTGCTGCTGAGGAGCTGCTCAGAGGAMCTGATGGCTG 51

Qy 2589 CAACTTCACTTCTGGAGAGAGCGGGCTCTGCCGCTCTGGTCACTGGCTGACTA 2648
 Db 552 CAACTTCACTTCTGGAGAAAMG-SGSTSSTSCCGCTCTGTCATGGCTGACTA 610

Qy 2649 CCACTGCTATCGTCA 2662
 Db 611 CCACTGCTATCGTCA 624

RESULT 14
 US 09-925-299-209
 Sequence 209 Application US/09925299
 ; Patent No. US2002005627A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.

FEATURE: ;
 TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 FILE REFERENCE: PA102
 CURRENT APPLICATION NUMBER: US/09/925,299
 CURRENT FILING DATE: 2001-08-10
 PRIOR APPLICATION NUMBER: PCT/US00/05883
 PRIOR FILING DATE: 1999-03-12
 NUMBER OR SEQ ID NOS: 1556
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 209
 LENGTH: 625
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (10)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (25)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (26)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: misc_feature
 LOCATION: (600)
 OTHER INFORMATION: n equals a,t,g, or c
 US-09-925-299-209

Query Match 16.5%; Score 551; DB 10; Length 625;
 Best Local Similarity 97.1%; Pred. No. 1.2e-153; Matches 596; Conservative 5; Mismatches 8; Indels 5; Gaps 4;
 OTHER INFORMATION: n equals a,t,g, or c

Qy 2050 CCAACCTCAGGTTTCACTACACTACACTTCCTCGCTT-GGCACAAACCCGTACTCTTGCTGG 2108
 Db 15 CCAACCTCAGGTTTCACTACACTACACTTCCTCGCTT-GGCACAAACCCGTACTCTTGCTGG 74

Qy 2109 AGGGCCAGGTTCACTCCAAAGGGTTGAATACTTCATCATTTACCTCTGCTCTG 2168
 Db 75 AGG--CAAGCTCA-TTCCAAAGGGTTGAATACTTCATCATTTACCTCTGCTCTG 131

Qy 2169 TGGAAACCCAGGGTTAGGAATAATGCTGCTGTCAGCCACAATGTCAGTCAGTCAGCTCGATCC 2228
 Db 132 TGGAAACCCAGGGTTAGGAATAATGCTGCTGTCAGCCACAATGTCAGTCAGTCAGCTCGATCC 191

Qy 2229 TGGGGGAGGTTCACTCCAAACTATCACAGCTTACGCTTCTCCAGGAGTCATCAT 2288
 Db 192 TGGGGGAGGTTCACTCCAAACTATCACAGCTTACGCTTCTCCAGGAGTCATCAT 251

Qy 2289 CCCCGAGGGTACAGGCTTCAASGCCGSGGGTTCTCACAGGCTGTCAGCTGCTGA 2348
 Db 252 CCCCGAGGGTACAGGCTGTCAGCTGTCAGCTGTCAGCTGICA 311

Qy 2349 TGGACTTATGGGTGACAGATGACTCTGGATGGATCACCTCCAGCTGA 2408
 Db 312 TGGACTTATGGGTGACAGATGACTCTGGATGGATCACCTCCAGCTGA 371

Qy 2409 TTTCACCTGGTCTGGATACCGAGCTGATCTCCTTATAGGCCAATGATG 2468
 Db 372 TTTCACCTGGTCTGGATACCGAGCTGATCTCCTTATAGGCCAATGATG 431

Qy 2469 GACCCAGTCCTCAGTCTGGAGATCACCACTCCGGCTAGSTGCACTCCAGAA 2528
 Db 432 GACCCAGTCCTCAGTCTGGAGATCACCACTCCGGCTAGSTGCACTCCAGAA 491

Qy 2529 ACTGTGCTCTGAGATTGCTGCTGCTGAGCTCAATGGACCTCTGAGGGCTG 2588
 Db 492 ACTGTGCTCTGAGATTGCTGCTGAGGAGCTGCTCAGAGGAMCTGATGGCTG 51

Qy 2589 CAACTTCACTTCTGGAGAGAGCGGGCTCTGCCGCTCTGGTCACTGGCTGACTA 2648
 Db 552 CAACTTCACTTCTGGAGAAAMG-SGSTSSTSCCGCTCTGTCATGGCTGACTA 610

Qy 2649 CCACTGCTATCGTCA 2662
 Db 611 CCACTGCTATCGTCA 624

RESULT 14
 US 09-925-299-209
 Sequence 209 Application US/09925299
 ; Patent No. US2002005627A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.

RESULT 15
 US-10-002-050-19
 ; Sequence 19, Application US/10002050
 ; Publication No. US20030032055A1
 GENERAL INFORMATION:
 ; APPLICANT: Shimkets, Richard
 ; APPLICANT: Fernandes, Elma
 ; APPLICANT: Vernet, Corine
 ; APPLICANT: Yang, Mejia
 ; APPLICANT: Bolodz, Ferenc
 ; TITLE OF INVENTION: No. US2003032095A1 Nucleic Acid Sequences Encoding Human Semaphorin 3A
 FILE REFERENCE: 15966-554 Cura 54 CON-S14
 CURRENT APPLICATION NUMBER: US10/002,050
 CURRENT FILING DATE: 2001-11-02
 PRIOR APPLICATION NUMBER: 09/604, 286
 PRIOR FILING DATE: 2000-06-22
 PRIORITY NUMBER: 60/140, 584
 NUMBER OF SEQ ID NOS: 49
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 19
 LENGTH: 137
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: CDS
 NAME/KEY: CDS
 LOCATION: (295)..(1687)
 NAME/KEY: variation
 LOCATION: (1)..(173)
 OTHER INFORMATION: N may be any nucleotide
 ; US-10-002-050-19

Query Match 15-1%; Score 537.6; DB 9; Length 137;
 Best Local Similarity 62.0%; Pred. No. 2. 3e-149; Matches 957; Conservative 0; Mismatches 569; Indels 18; Gaps 6;

QY 214 GAGTACCACTATGGTACACGGCTGTGACAGACGGGTTCCAGGTGGGGTGCAG 273
 Db 146 GATTTACTTGATAACGGAAATGTAAGCTGGCTCAGGGAGGTGGCATT 205
 QY 274 CGCGATACCCGGGCGTGTGACACGGCTGTGACAGACGGGTTCCAGGTGGGGTGCAG 333
 Db 206 CCAAATTCGTGAGCTGGACTGTCTGGCCCTGACCCAGTGGAGAGGAAGATGCACT 265
 QY 334 TCTCCCTGAAACCCGGGAGGTCTGGATATGAGGACCACTGTGAGCCATGGCT 393
 Db 266 TTCTCTGTGCTACTGGAGATGATGAAATGAGAACCGATGTGAGTAATGGTGT 325
 QY 394 GAGGCCGCTACTCCTGGCACGGCATCGGTGATGAGCTGGAGTGGCTGAGTCC 453
 Db 326 GAAGGCACCTATCTCTGGCACTGGCATCAATTGATGATGAGTGGGAAATGGGGCA 385
 QY 454 GGCTTGCCAGCTCTCGGCCAACATGGAGCTGGATGAGCTGGAGTGGCTGAGTCC 510
 Db 386 GGTTTCTAACATCGCAACATTCATGGACACTGGTGGGGCCCTGACAGGGCA 445
 QY 511 GGACAGTACTCTGTCAGGGTTRCCCCGGGACTACATGGCTTCACACGG 570
 Db 446 GACGGCTGTACACTCTCTGTGATCCTCGTGGAAACTACATAGAATCTATCGATG 505
 QY 571 GATGTCACGCAACACTGATGCCCTCACTGAGCAATCTGGCACCTTAACTTC 630
 Db 506 GACTGACGGTGTCTGATGATGCTGACCTTAAAGAACAGCTGGCTATCGTCTTT 565

QY 631 GAATACTTACATCCAGACTCCAGCATCTTGTGTTCTGTCAGARTGACCGATG 690
 Db 566 GAGTACAGTGAATGTCGACACACATCTCTGTGAGTCTTATCAAAAGATGAGTC 625
 QY 691 CAGCCCATTGGAGATGACTC-CAGGTGGATGAAGACACAGAGA--AGATGGAA 744
 Db 626 CAGGAGATGACACCACTGACACAGTGGSTAACCTACAGACATGGAGATGGC 685
 QY 745 TTCCACAGTGTGGAGCTAAATCGAGGCAATTATGTCCTCATGGAGAACACAGGCTTC 804
 Db 686 TCTCATCTGTAAATGTCGACACACATCTACTGAGACTACAGGCATC 745
 QY 805 TCAGTAGGGCCAAGTACCCAAGGCTGCTGGTGGAGAACATGCCATACAGGGT 864
 Db 746 CTTATGGGTCTAAGGGGTCAAGGCTGTCGTCAGGACAAACATACTCTACTGGAGACTACAGGCATC 805
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 Db 866 TTCAACTGCGAGGTGTGCCAGAAACACTTATCTGAGAAGAGGCAACAGGCTC 925
 QY 985 CAGTGTGACCTGACA--ATACTCAGAGAAAGATCTCTCTGTAACTGTGGCCA 1041
 Db 926 AGGTGAAGACAGCTCTCAATTTCAGAGGAAGATCCAGTGTACTGAGACAGGCTC 985
 QY 1042 GCTGACACAGAACATATTCTACACACACAGGGCTGCGATGCCAACAGGAGACA 1101
 Db 986 CCCTGTACACAAAGACTTTTCCAGATCCTACACTCCAGTGTGAAGAGGAAGACA 1045
 QY 1102 CAACITATGACAAMGGCCAAGCGCAAGAACATCTGTAGCGAGGACCTGTGGGGCAGTG 1161
 Db 1046 CAGATAATGTCACAAGTGTAGAGGCCAACATCTGGGGAGATCTCACAGATGTATT 1105
 QY 1162 AAGCTGCTCTCTCTGTGGTGAACCCACTGCGACCCCTGCAACCCAGCTCTCAA 1221
 Db 1106 AGATGCCCCCTCTGGAGAAGAGATGTGCGCTCTGCAACCTGTGATTATAAC 1165
 QY 1222 ACCAACACAGCACCTGGCGGCCATATGGTCTTACTCCATATGG--CTCAGAC 1278
 Db 1166 ATATGGATCATCTCTGTGCCATCCCCTGTCCCTGTGAACTTTTCAAGTGGAAACAAAGAA 1225
 QY 1279 TGTACCCGCGCCCTGTGAGGACTGAACTCTGTGTTGGATATGATACAAATGGTGGAC 1338
 Db 1226 TGTAGACCATGTCCAGCAGGAACGGAGCCCTGACTTGGCTTGTGATAATGGGAAT 1285
 QY 1339 ACCTGGCCACAAAGATGAAACCCCGTCTCGTGGCATCAACTTGAGTCAAGGGC 1398
 Db 1286 GTCCCTCTGTGCAACATGAAACTCTCTCTGTGTTGGAAATCAAGTGGCTGATG 1345
 QY 1399 ATGACAGGGTGGGGTGTGGATCACATTACACGGCTGCTGGAGCTGAGACAT 1458
 Db 1346 ATGATGGTGGGGAGGTGGCTGGAGATCATTCAGAGTGGGCTGGAGGTCTGACAT 1405
 QY 1459 GACTCTGATGTTCTCACTCTGGTGTGCGAGGATTAGCTCTGGCAGTGGTGTGGCA 1518
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 QY 1519 GACCAAGATAAAAGGGCCAGAATACATGTTGAGACCTCTGGCTCTGGCTG 1578
 Db 1466 GCCAC--GGGTCTGAACTTGTGAGGAGATACTTGTCTTGTGAGACCTCTGGTCACT 1522
 QY 1579 AACGTGTGACTCTACTCTGAGGAGATACTTGTGAGACACTCTGGAGAGC 1638
 Db 1523 GACGTGTGTTGTACTCTGAGGAGATACTTGTGAGACACTCTGGAGAGC 1582
 QY 1639 TGGAAAGTTCCAAGGGCAACAGCTCTATACATCTGAGGAGACACTACAC 1698
 Db 1583 TGGGTGGARACAAAGAACAGCTAACCCATATCTCTGAGAATGCACTTT 1642
 QY 1699 AGCTCACCTGGGCCTCCAGAGGACACTTTCATGAGGCAAG 1742

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us-10-046-433-39.rnpb

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Search completed: March 11, 2003, 09:48:41
Job time : 169 secs

